

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050233.D
 Acq On : 1 Aug 2018 8:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	477037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424531	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.59	113	384333	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.09	98	1432410	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	501384	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	433704	45.83	ug/l	99
3) Chloromethane	2.06	50	446018	43.36	ug/l	99
4) Vinyl Chloride	2.18	62	455332	42.03	ug/l	99
5) Bromomethane	2.55	94	231577	38.26	ug/l	98
6) Chloroethane	2.70	64	269457	41.42	ug/l	100
7) Trichlorofluoromethane	3.01	101	610224	43.49	ug/l	100
8) Diethyl Ether	3.41	74	209841	44.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	386027	45.75	ug/l	99
10) Methyl Iodide	3.95	142	269264	24.86	ug/l	99
11) Tert butyl alcohol	4.79	59	145020	214.49	ug/l	100
12) 1,1-Dichloroethene	3.73	96	331113	43.62	ug/l	97
13) Acrolein	3.61	56	65696	120.94	ug/l	98
14) Allyl chloride	4.32	41	539322	45.82	ug/l	99
15) Acrylonitrile	4.99	53	675950	229.15	ug/l	98
16) Acetone	3.82	43	580586	268.56	ug/l	99
17) Carbon Disulfide	4.05	76	928293	39.92	ug/l	100
18) Methyl Acetate	4.33	43	451082	53.70	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	954636	47.19	ug/l	99
20) Methylene Chloride	4.55	84	396750	48.66	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	361167	44.90	ug/l	99
22) Diisopropyl ether	5.95	45	1167143	50.01	ug/l	99
23) Vinyl Acetate	5.90	43	3796951	230.22	ug/l	99
24) 1,1-Dichloroethane	5.85	63	688161	45.09	ug/l	99
25) 2-Butanone	6.84	43	843489	240.66	ug/l	99
26) 2,2-Dichloropropane	6.82	77	579530	49.92	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	406708	46.97	ug/l	98
28) Bromochloromethane	7.20	49	325596	46.78	ug/l	100
29) Tetrahydrofuran	7.21	42	510779	225.52	ug/l	99
30) Chloroform	7.37	83	703273	45.16	ug/l	99
31) Cyclohexane	7.65	56	570203	45.05	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	601808	45.18	ug/l	100
36) 1,1-Dichloropropene	7.79	75	524344	49.97	ug/l	99
37) Ethyl Acetate	6.93	43	336736	46.02	ug/l	99
38) Carbon Tetrachloride	7.77	117	534966	48.04	ug/l	99

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Quant Time: Aug 02 00:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	562136	52.07	ug/l	98
40) Benzene	8.04	78	1574448	49.30	ug/l	99
41) Methacrylonitrile	7.17	41	153019	40.70	ug/l	97
42) 1,2-Dichloroethane	8.12	62	503280	47.24	ug/l	100
43) Isopropyl Acetate	8.17	43	636562	46.08	ug/l	99
44) Trichloroethene	8.84	130	411065	47.91	ug/l	100
45) 1,2-Dichloropropane	9.12	63	421463	49.83	ug/l	100
46) Dibromomethane	9.21	93	255795	48.71	ug/l	99
47) Bromodichloromethane	9.40	83	548083	49.45	ug/l	98
48) Methyl methacrylate	9.20	41	312919	49.66	ug/l	98
49) 1,4-Dioxane	9.20	88	88900	1036.70	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1804602	250.90	ug/l	100
52) Toluene	10.16	92	985328	52.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	559607	53.50	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	628859	52.61	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	372049	49.76	ug/l	99
56) Ethyl methacrylate	10.43	69	472439	46.78	ug/l	98
57) 1,3-Dichloropropane	10.71	76	615268	50.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1029273	218.63	ug/l	100
59) 2-Hexanone	10.75	43	1285646	243.39	ug/l	99
60) Dibromochloromethane	10.90	129	426312	51.50	ug/l	100
61) 1,2-Dibromoethane	11.01	107	366975	49.47	ug/l	99
64) Tetrachloroethene	10.63	164	385598	46.32	ug/l	99
65) Chlorobenzene	11.43	112	1083750	49.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	413951	49.26	ug/l	100
67) Ethyl Benzene	11.51	91	1872671	53.30	ug/l	100
68) m/p-Xylenes	11.62	106	1454312	109.43	ug/l	100
69) o-Xylene	11.95	106	691177	54.56	ug/l	100
70) Styrene	11.97	104	1147162	50.90	ug/l	100
71) Bromoform	12.13	173	303788	49.69	ug/l #	99
73) Isopropylbenzene	12.25	105	1868115	50.49	ug/l	100
74) N-amyl acetate	12.07	43	534002	47.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	490361	49.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	599962	67.67	ug/l #	100
77) Bromobenzene	12.53	156	485527	47.35	ug/l	99
78) n-propylbenzene	12.59	91	2199025	53.18	ug/l	100
79) 2-Chlorotoluene	12.68	91	1292456	50.43	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1556405	53.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137092	49.05	ug/l	98
82) 4-Chlorotoluene	12.77	91	1321966	52.08	ug/l	99
83) tert-Butylbenzene	12.99	119	1349334	53.13	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1584719	54.03	ug/l	100
85) sec-Butylbenzene	13.17	105	1823989	53.75	ug/l	100
86) p-Isopropyltoluene	13.29	119	1598744	55.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	862821	49.64	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	840375	49.60	ug/l	99
89) n-Butylbenzene	13.62	91	1313147	55.85	ug/l	99
90) Hexachloroethane	13.88	117	297803	46.91	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	839527	48.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74246	44.96	ug/l	97

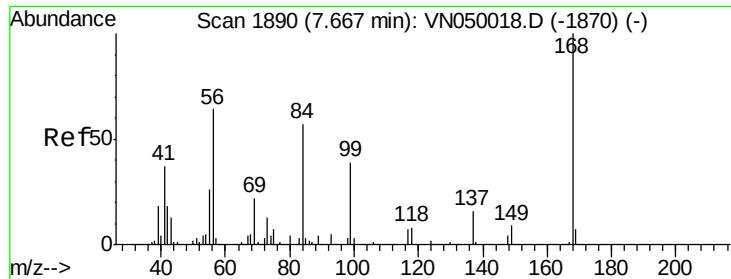
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
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Quant Time: Aug 02 00:49:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	422891	46.14	ug/l	97
94) Hexachlorobutadiene	15.01	225	267450	50.28	ug/l	98
95) Naphthalene	15.14	128	892507	41.76	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	421379	47.08	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

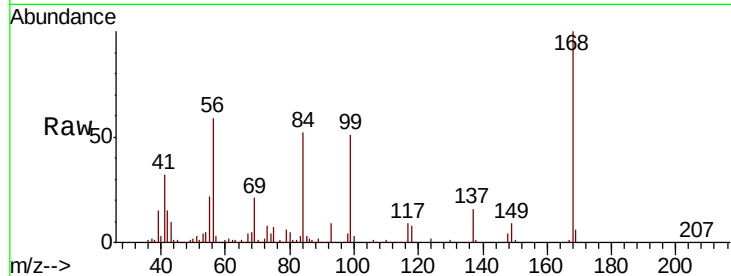
ClientSampleId :

Tot Ion:168 Resp: 658598

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

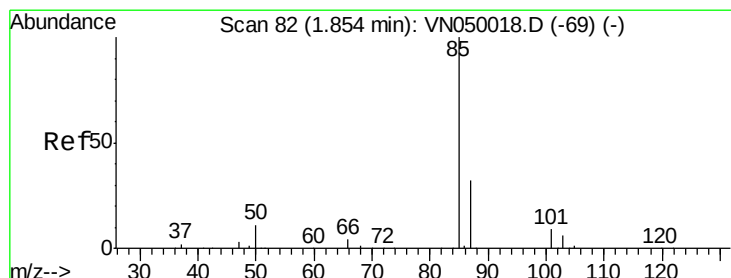
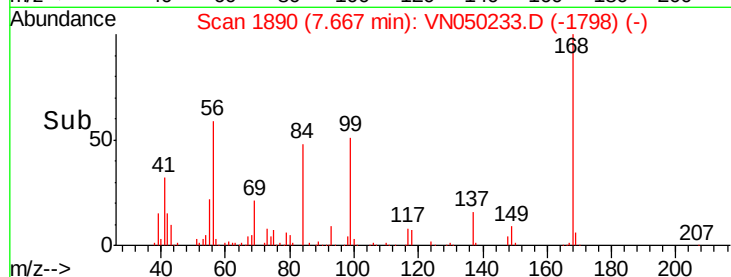
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.83 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050233.D

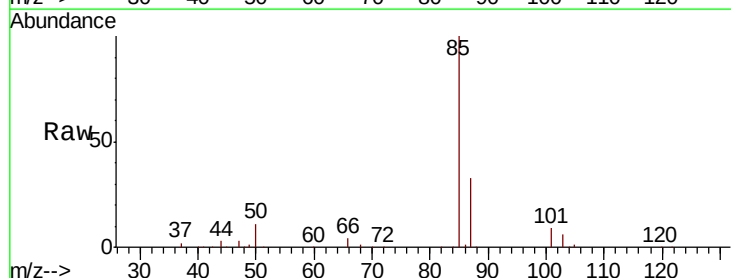
Acq: 1 Aug 2018 8:09

Tgt Ion: 85 Resp: 433704

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

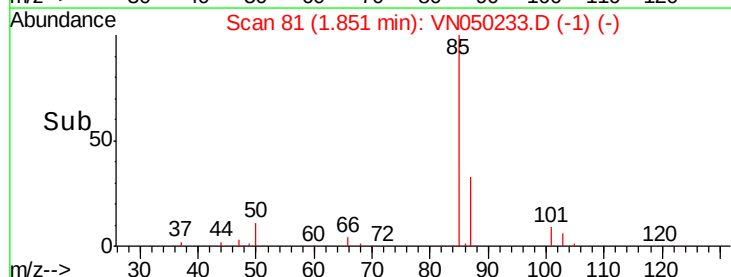
200000

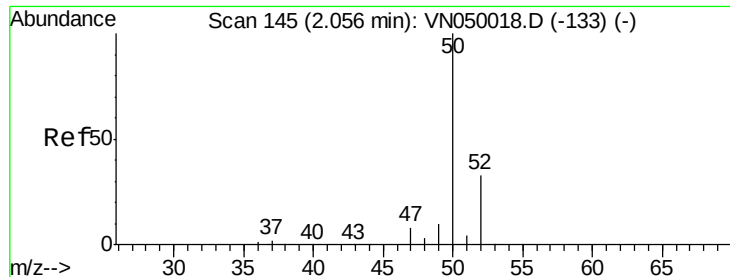
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.36 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

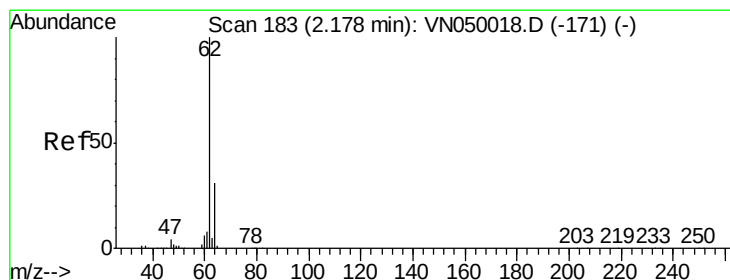
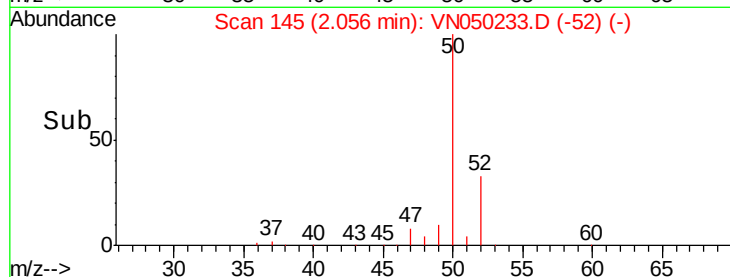
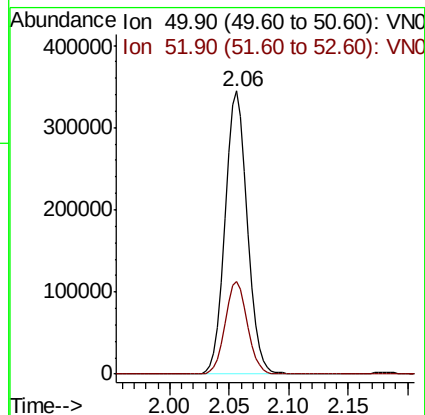
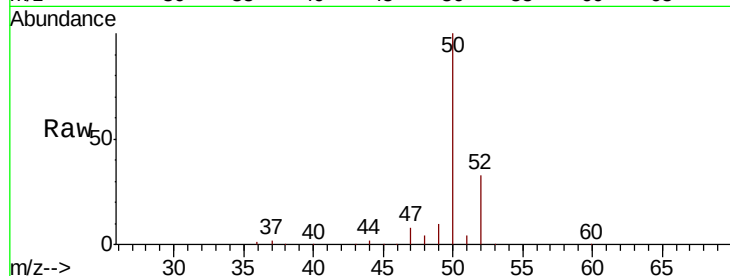
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 446018

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



#4

Vinyl Chloride

Concen: 42.03 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050233.D

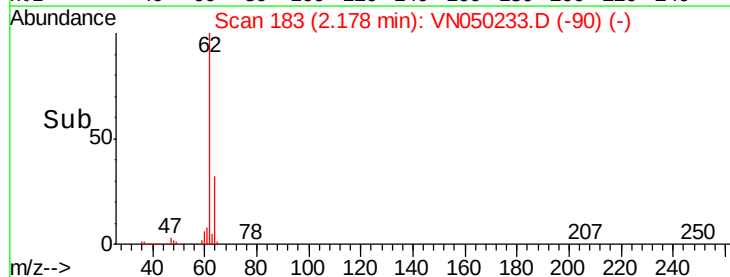
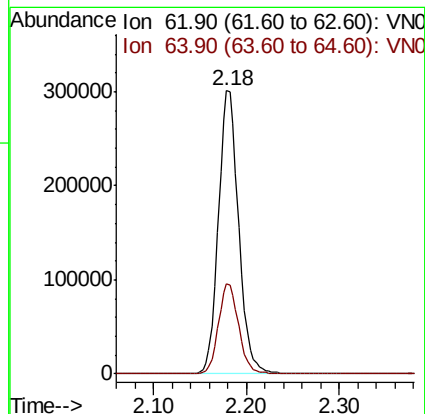
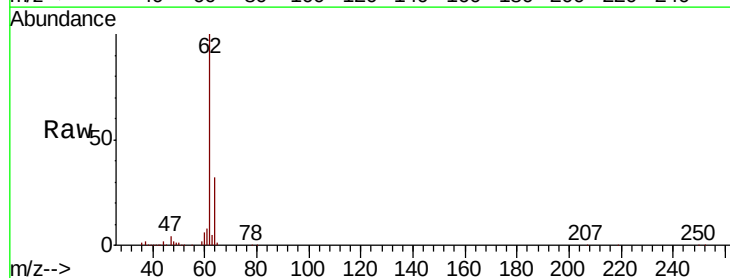
Acq: 1 Aug 2018 8:09

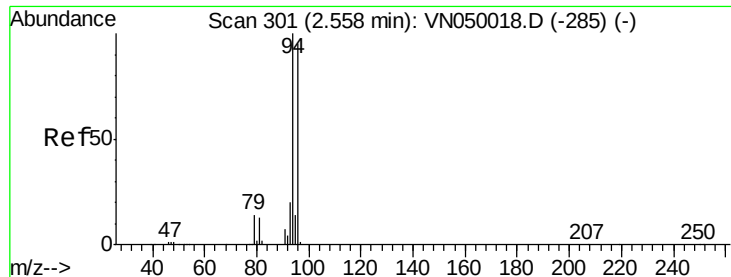
Tgt Ion: 62 Resp: 455332

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 38.26 ug/l

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

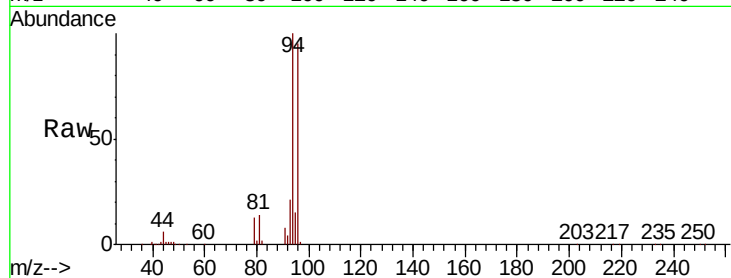
ClientSampleId :

Tot Ion: 94 Resp: 231577

Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

120000

100000

80000

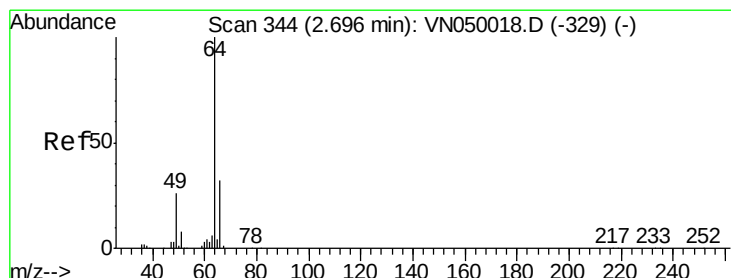
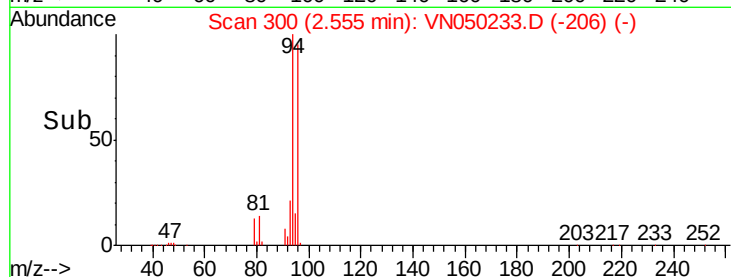
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.42 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050233.D

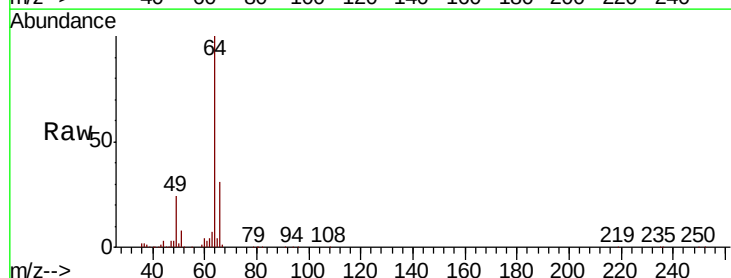
Acq: 1 Aug 2018 8:09

Tgt Ion: 64 Resp: 269457

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

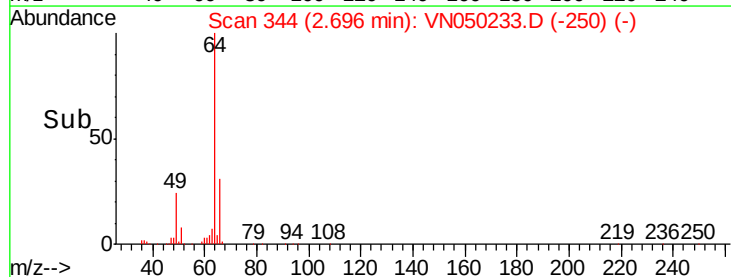
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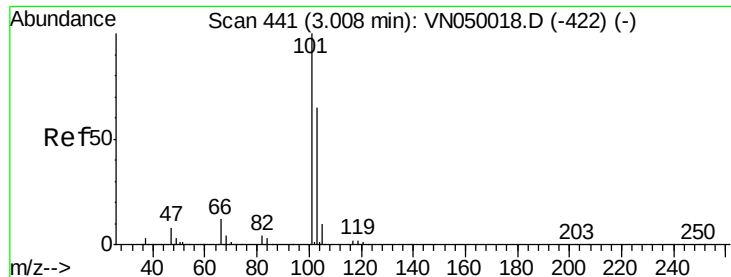
100000

50000

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Time-->



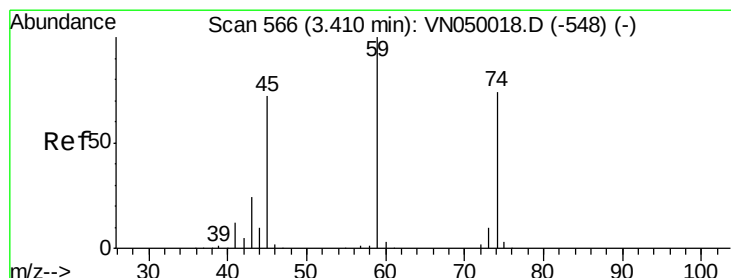
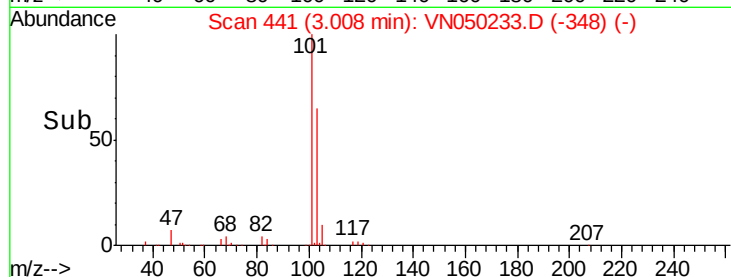
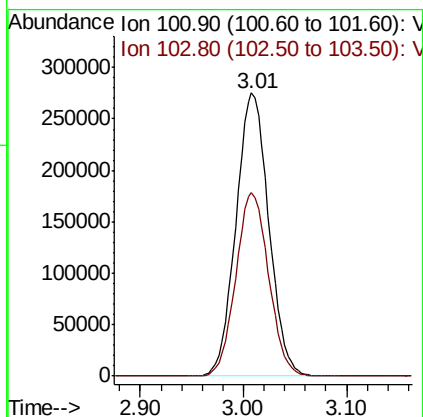
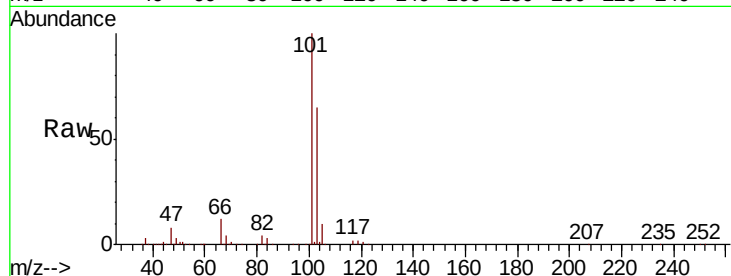


#7

Trichlorofluoromethane
Concen: 43.49 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampled :

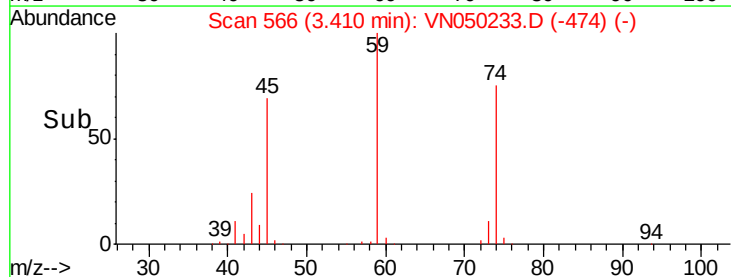
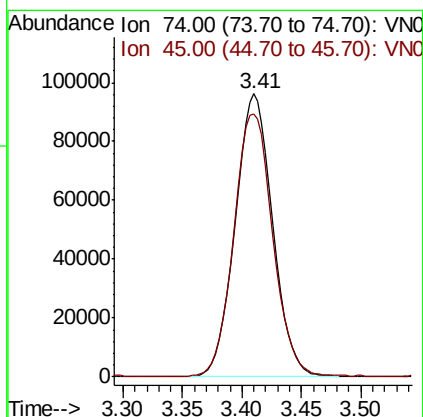
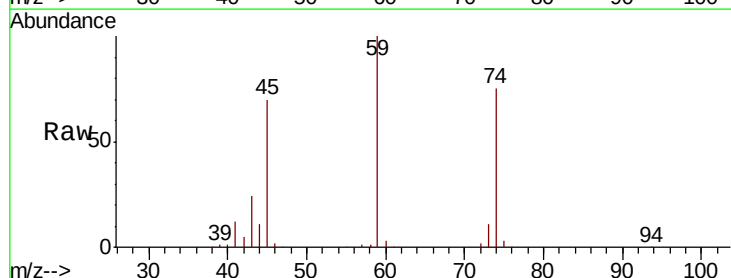
Tot Ion:101 Resp: 610224
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5

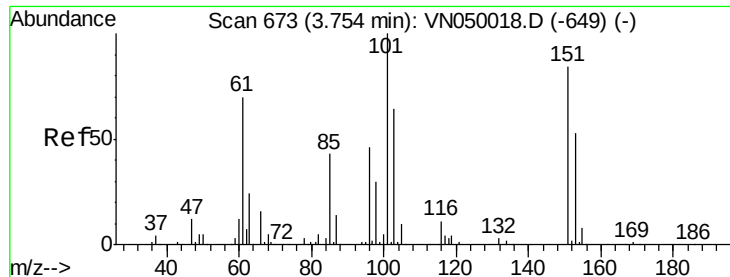


#8

Diethyl Ether
Concen: 44.86 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 74 Resp: 209841
Ion Ratio Lower Upper
74 100
45 96.1 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.75 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

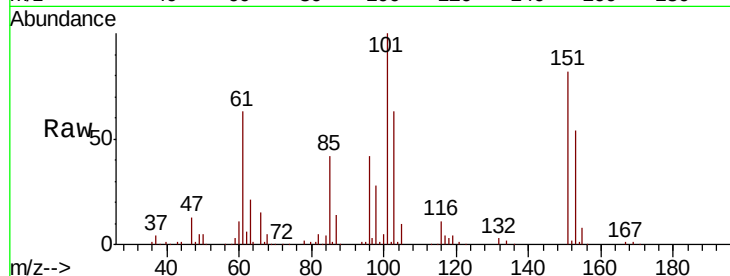
Tot Ion:101 Resp: 386027

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

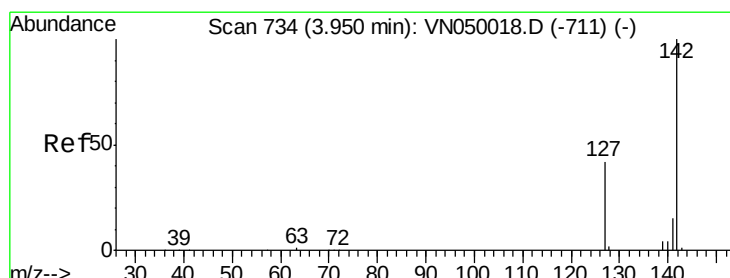
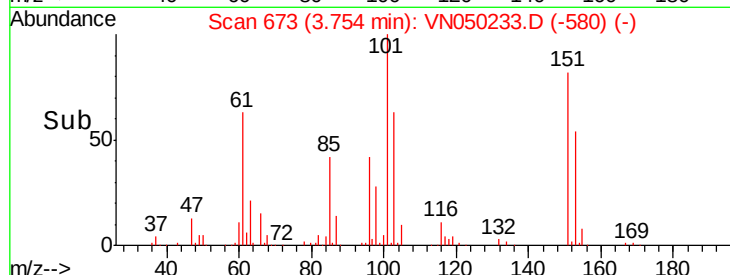
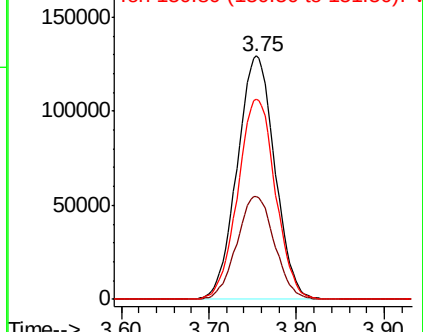
151 82.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.86 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

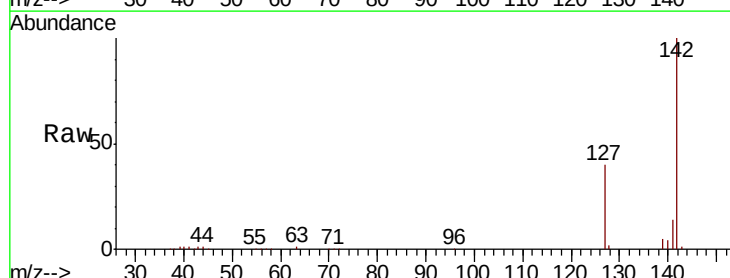
Tgt Ion:142 Resp: 269264

Ion Ratio Lower Upper

142 100

127 40.9 33.4 50.2

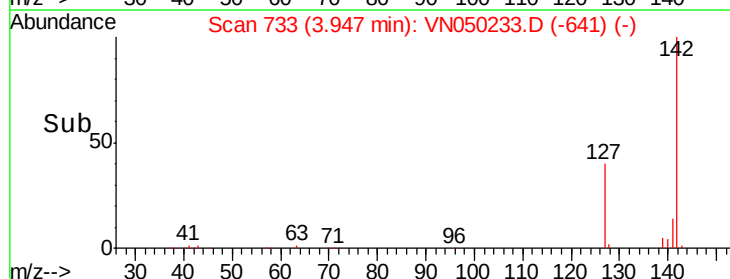
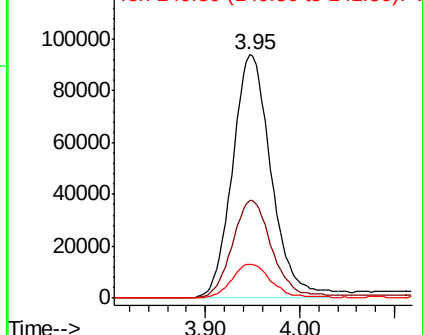
141 14.0 11.6 17.4

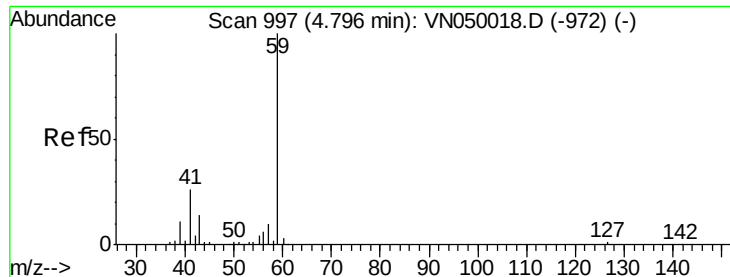


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

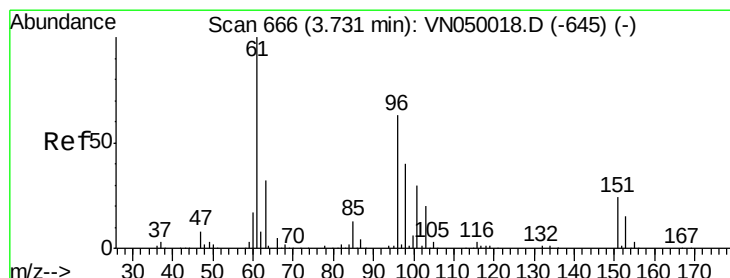
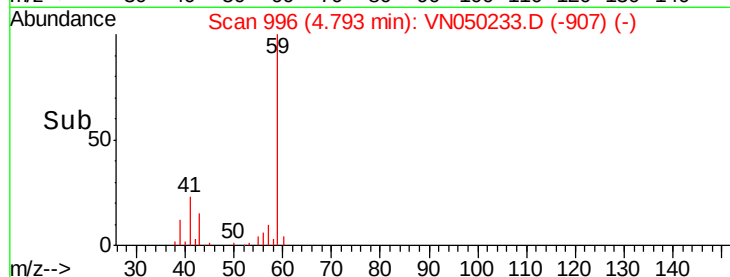
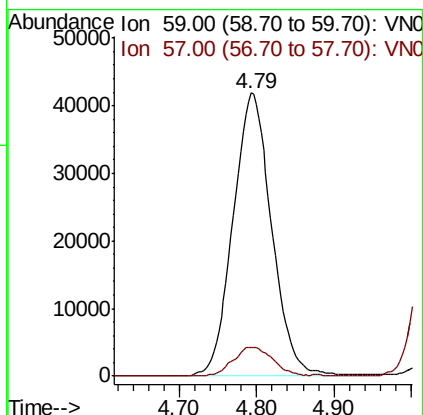
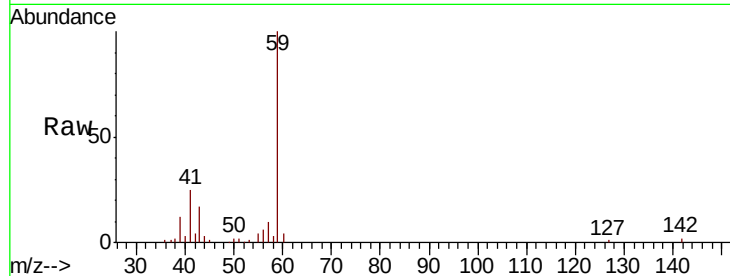




#11
Tert butyl alcohol
Concen: 214.49 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

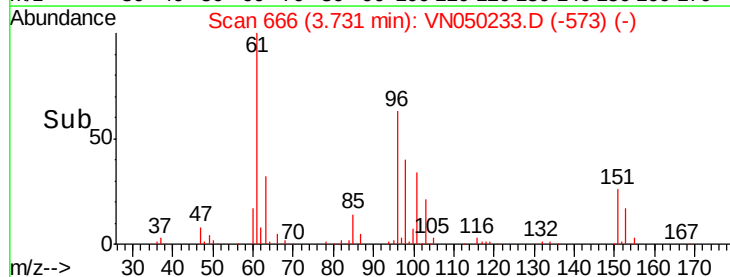
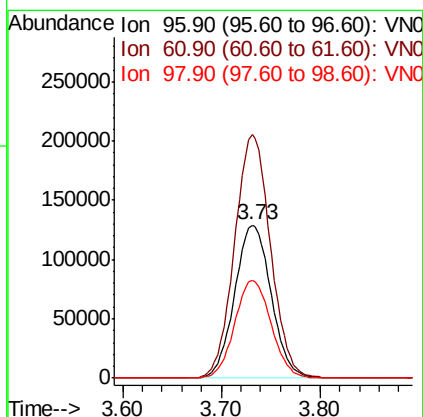
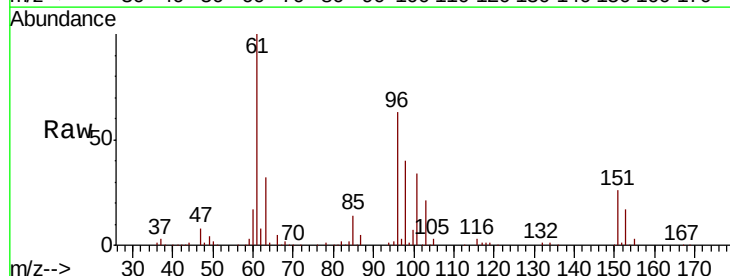
Instrument :
MSVOA_N
ClientSampleId :

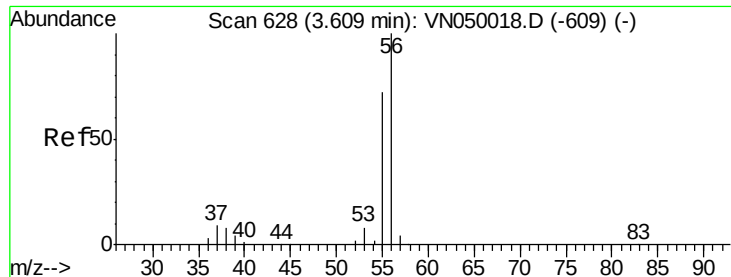
Tot Ion: 59 Resp: 145020
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 43.62 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 96 Resp: 331113
Ion Ratio Lower Upper
96 100
61 158.8 124.4 186.6
98 63.8 48.3 72.5





#13

Acrolein

Concen: 120.94 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

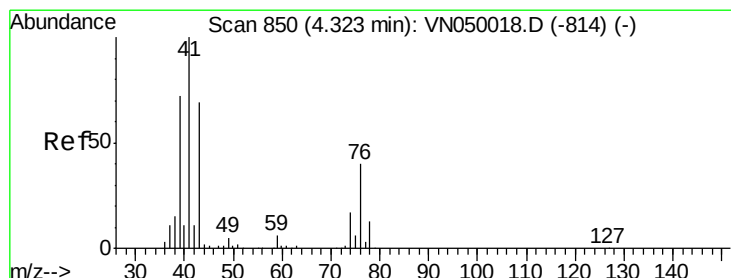
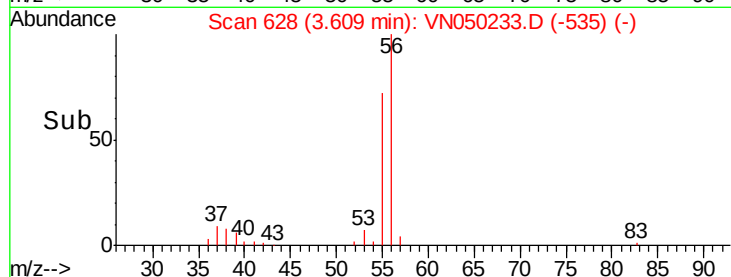
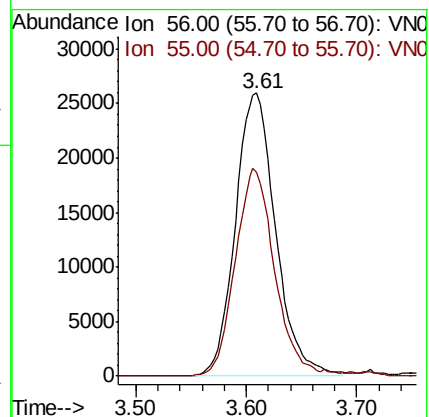
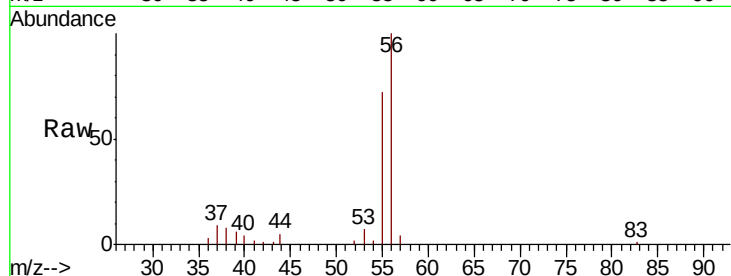
ClientSampled :

Tot Ion: 56 Resp: 65696

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.6



#14

Allyl chloride

Concen: 45.82 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

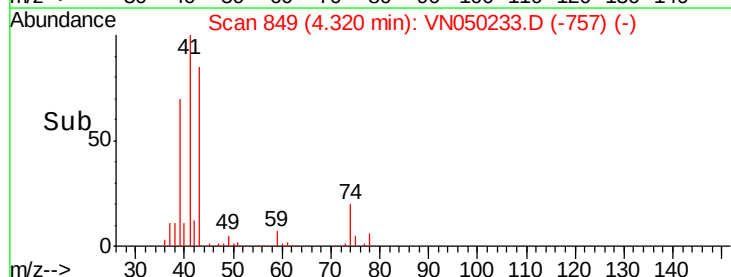
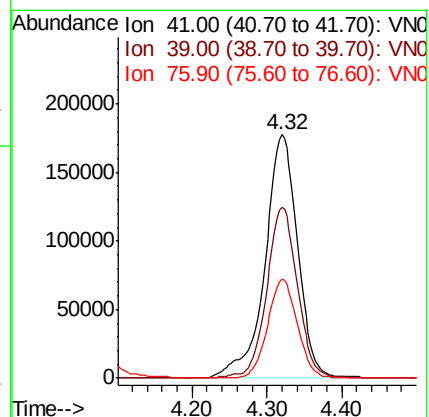
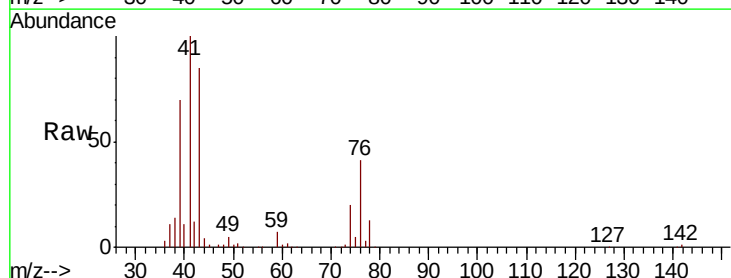
Tgt Ion: 41 Resp: 539322

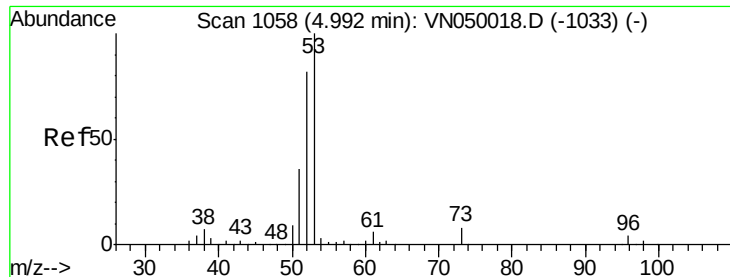
Ion Ratio Lower Upper

41 100

39 66.3 54.2 81.4

76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 229.15 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampled :

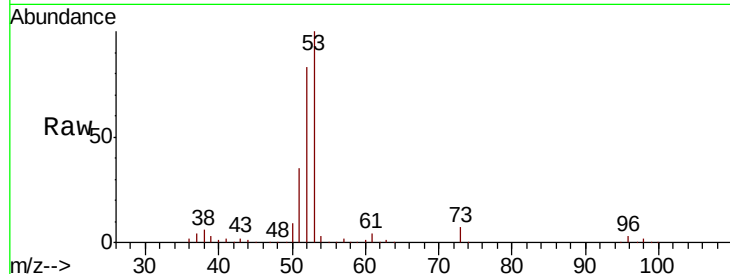
Tot Ion: 53 Resp: 675950

Ion Ratio Lower Upper

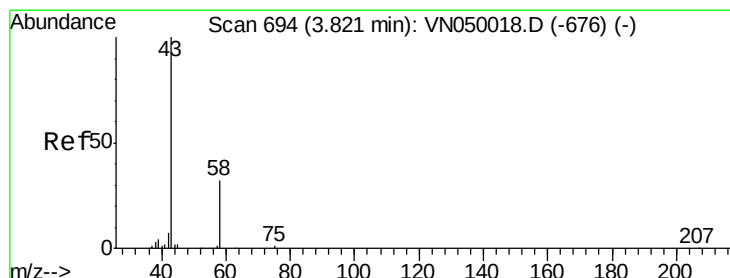
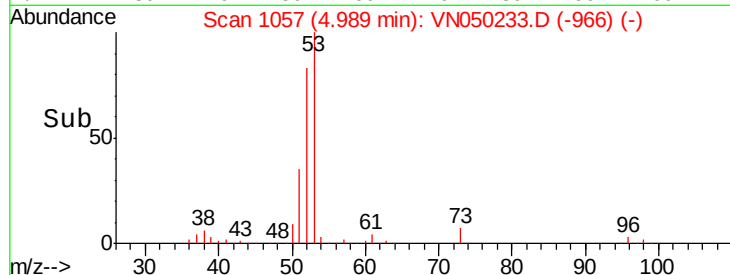
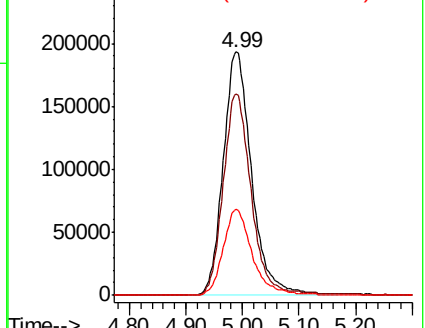
53 100

52 80.6 66.2 99.2

51 36.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 268.56 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050233.D

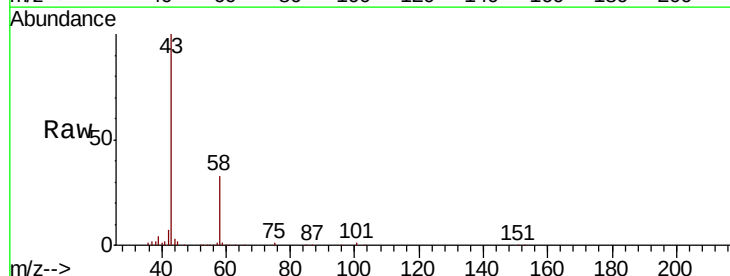
Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 580586

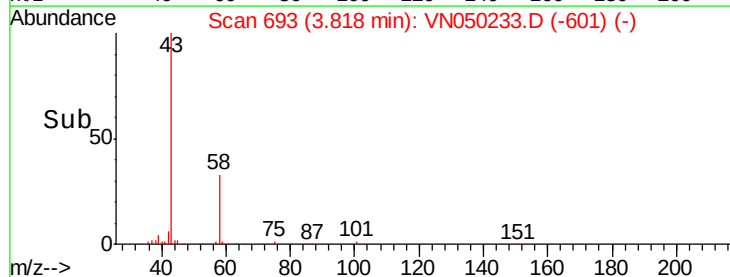
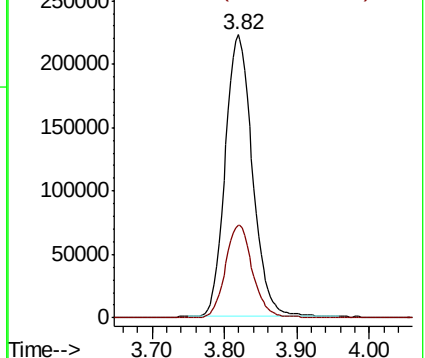
Ion Ratio Lower Upper

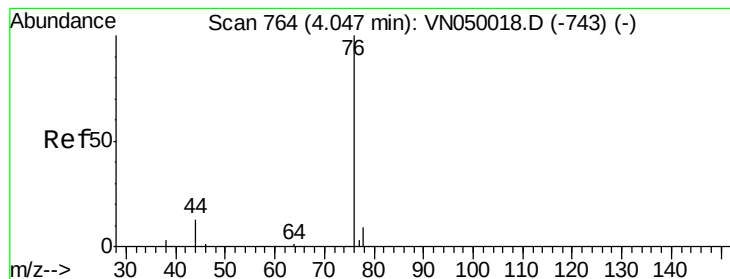
43 100

58 32.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 39.92 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

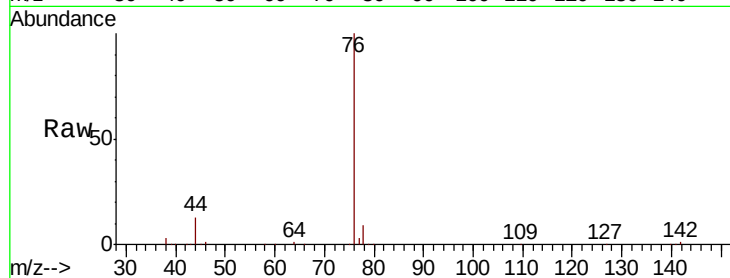
ClientSampled :

Tot Ion: 76 Resp: 928293

Ion Ratio Lower Upper

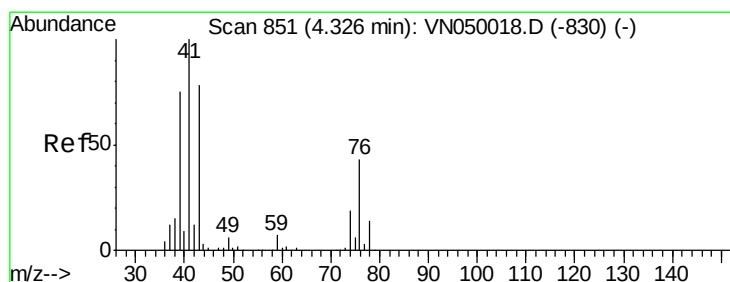
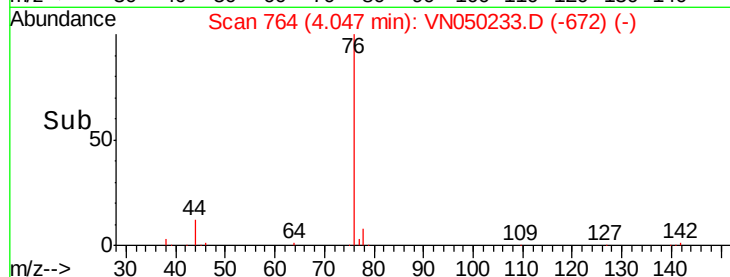
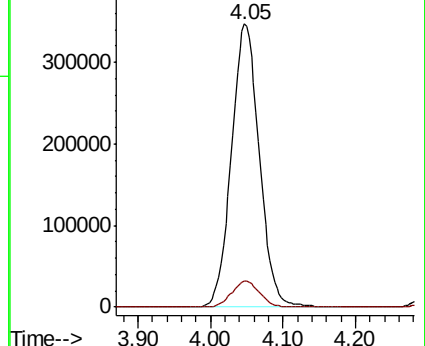
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 53.70 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050233.D

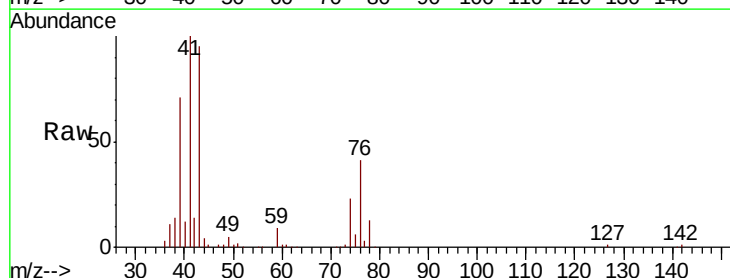
Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 451082

Ion Ratio Lower Upper

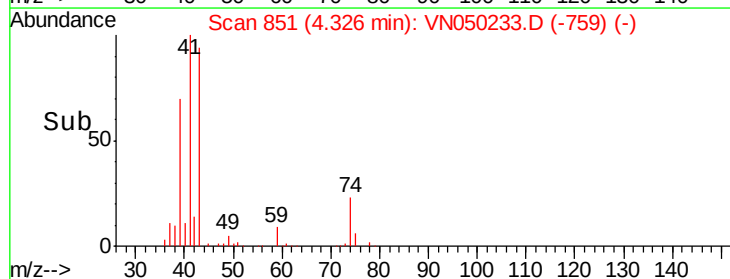
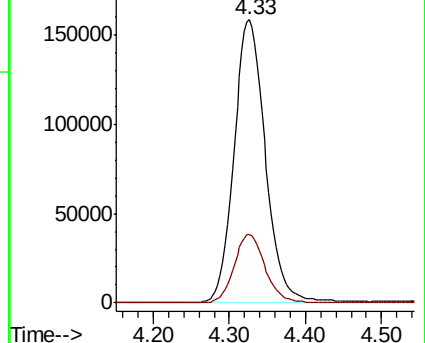
43 100

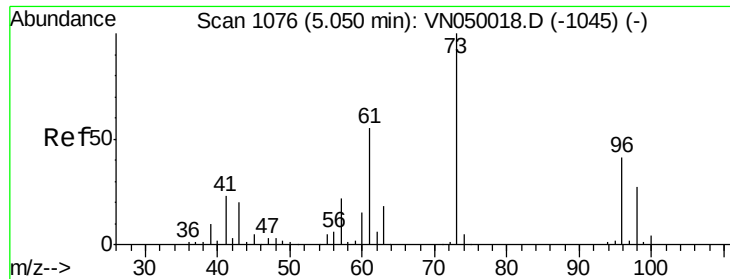
74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

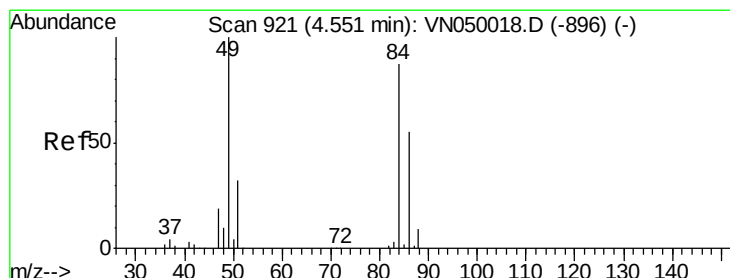
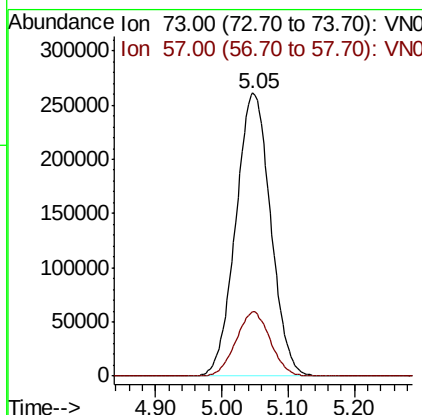
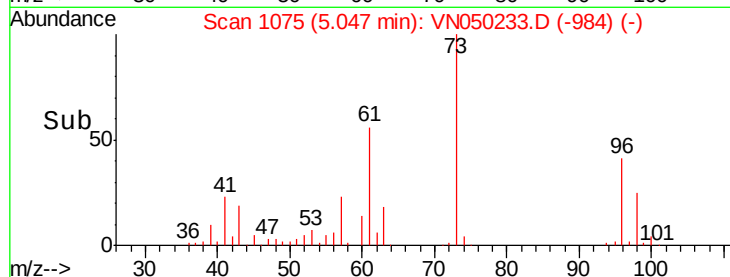
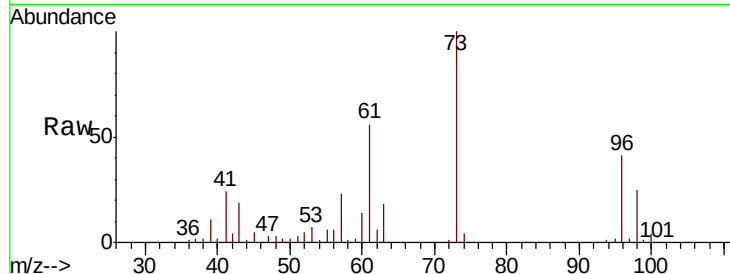




#19
Methvl tert-butyl Ether
Concen: 47.19 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

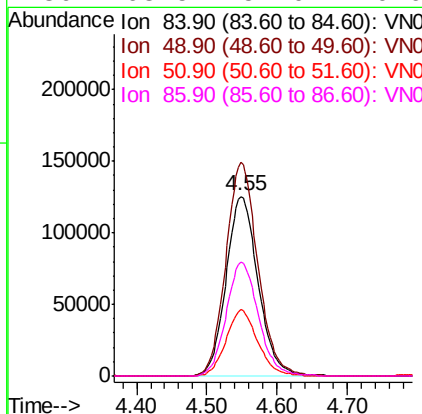
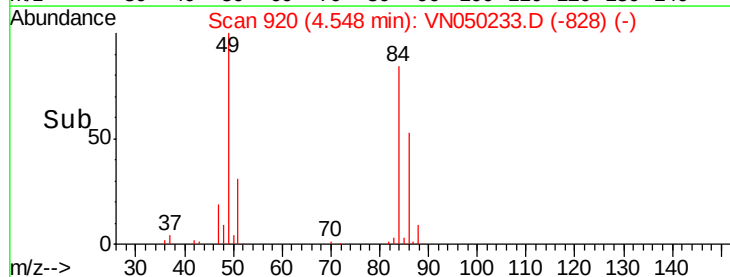
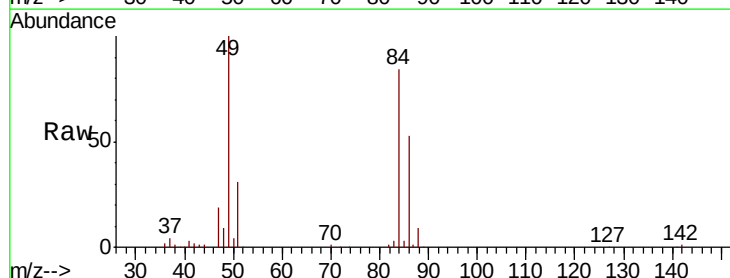
Instrument :
MSVOA_N
ClientSampled :

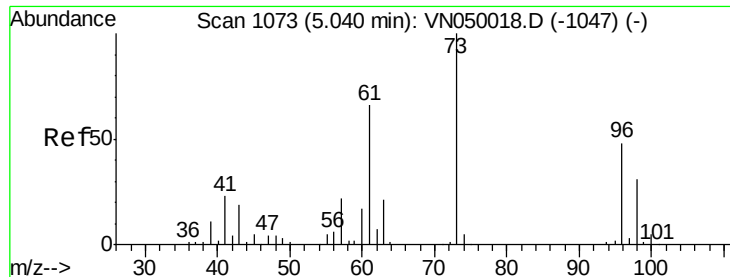
Tot Ion: 73 Resp: 954636
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0



#20
Methylene Chloride
Concen: 48.66 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 84 Resp: 396750
Ion Ratio Lower Upper
84 100
49 119.1 94.8 142.2
51 37.0 28.3 42.5
86 63.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.90 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampled :

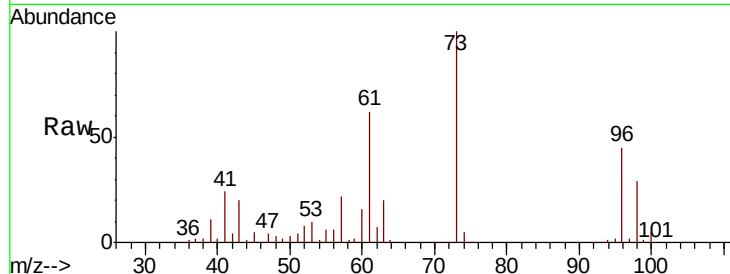
Tot Ion: 96 Resp: 361167

Ion Ratio Lower Upper

96 100

61 137.8 110.7 166.1

98 63.6 51.6 77.4

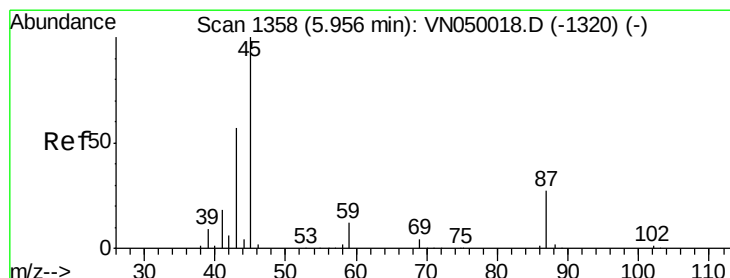
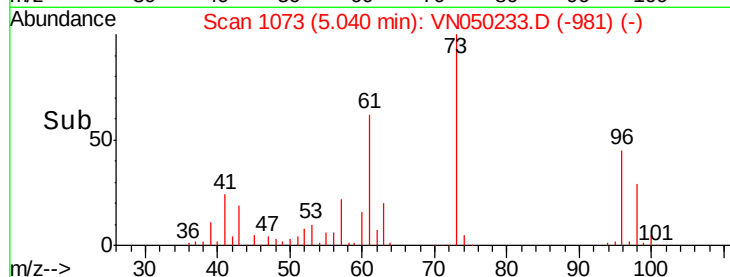
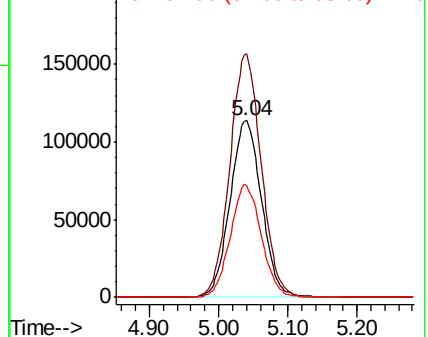


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.01 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion: 45 Resp: 1167143

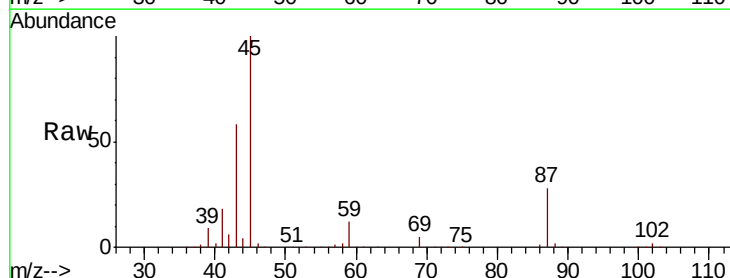
Ion Ratio Lower Upper

45 100

43 58.0 45.7 68.5

87 28.3 22.7 34.1

59 11.9 9.5 14.3



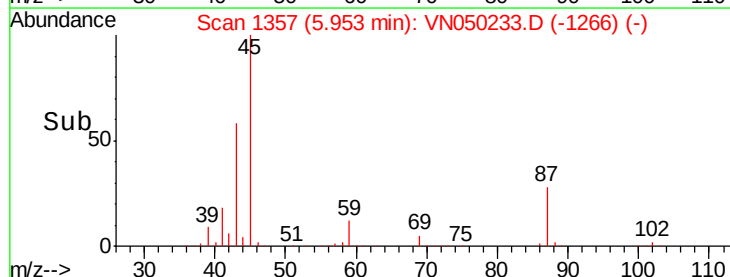
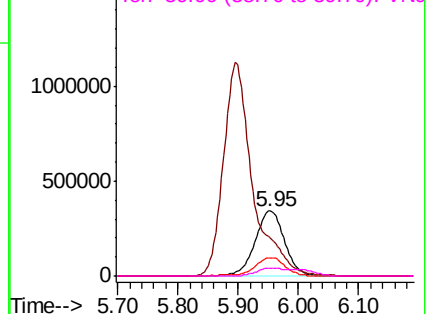
Abundance

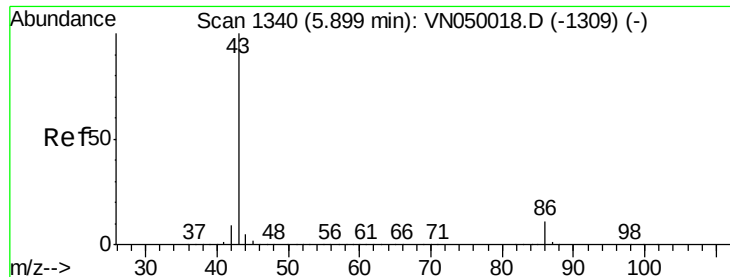
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 230.22 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

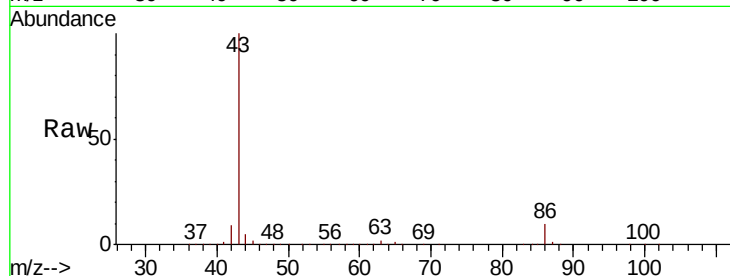
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3796951

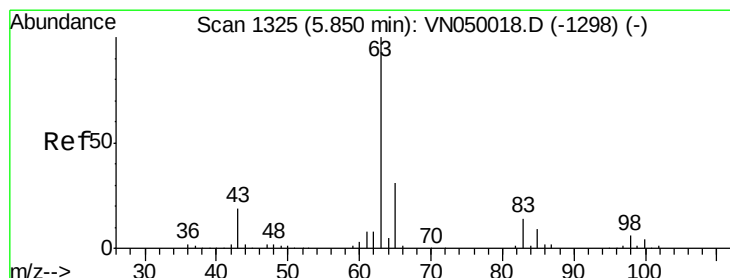
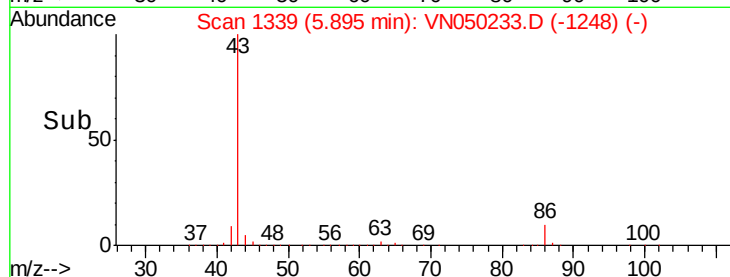
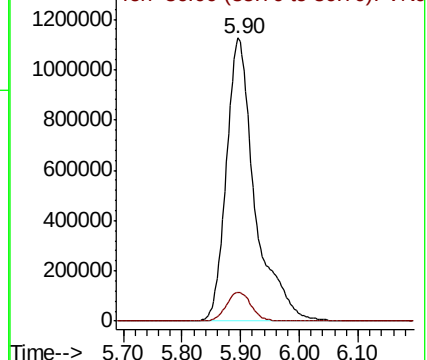
Ion Ratio Lower Upper

43 100

86 10.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.09 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

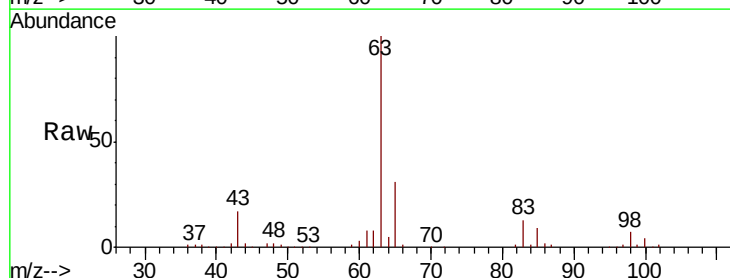
Tgt Ion: 63 Resp: 688161

Ion Ratio Lower Upper

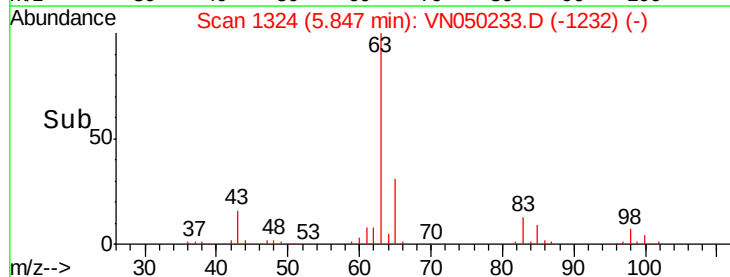
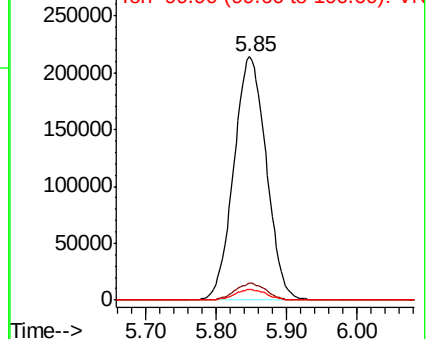
63 100

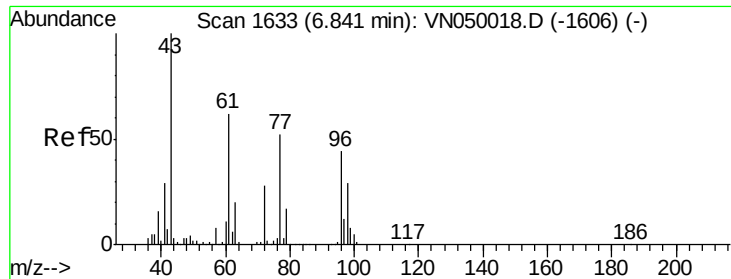
98 7.0 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

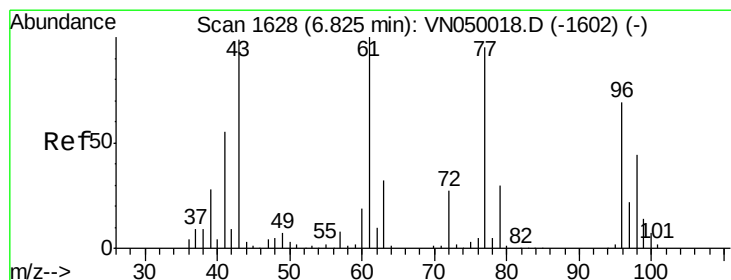
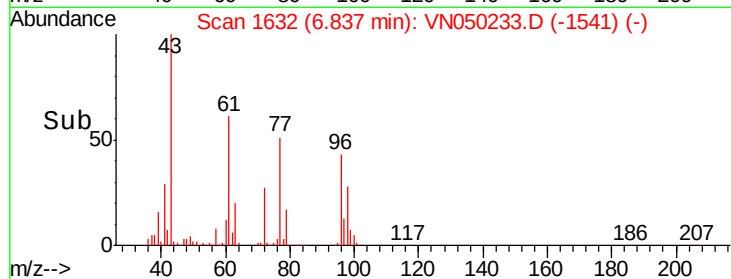
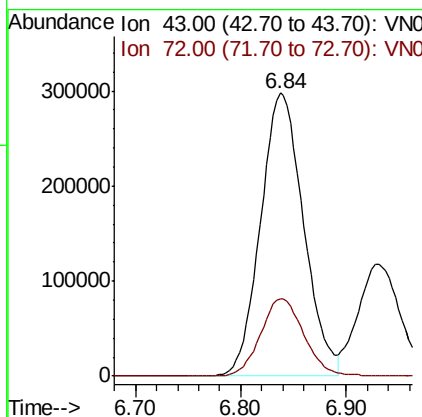
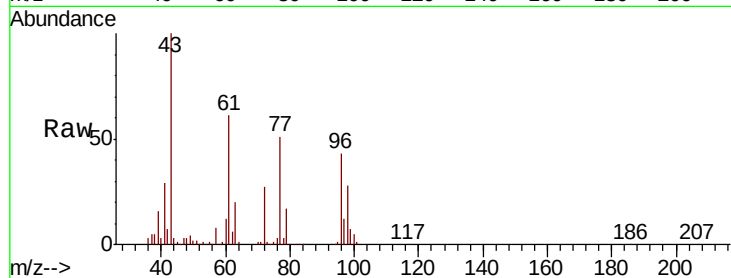




#25
2-Butanone
Concen: 240.66 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

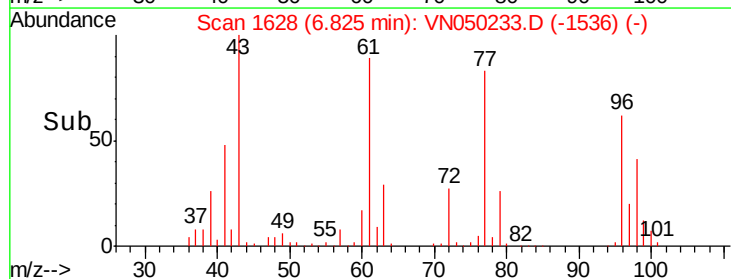
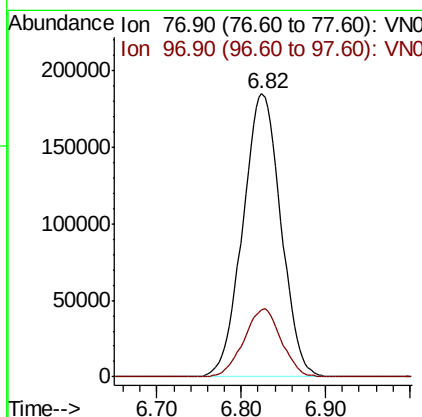
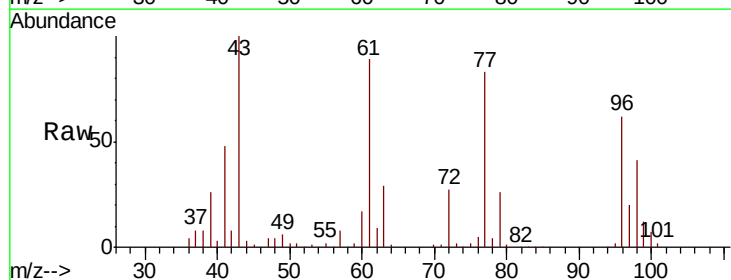
Instrument :
MSVOA_N
ClientSampled :

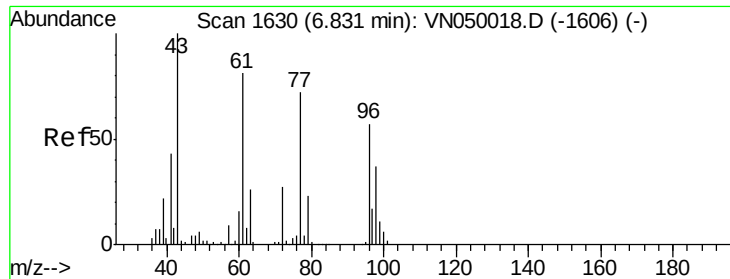
Tot Ion: 43 Resp: 843489
Ion Ratio Lower Upper
43 100
72 27.4 21.5 32.3



#26
2,2-Dichloropropane
Concen: 49.92 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 77 Resp: 579530
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.97 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :

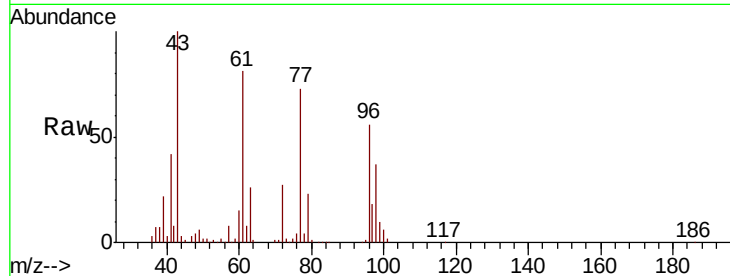
Tot Ion: 96 Resp: 406708

Ion Ratio Lower Upper

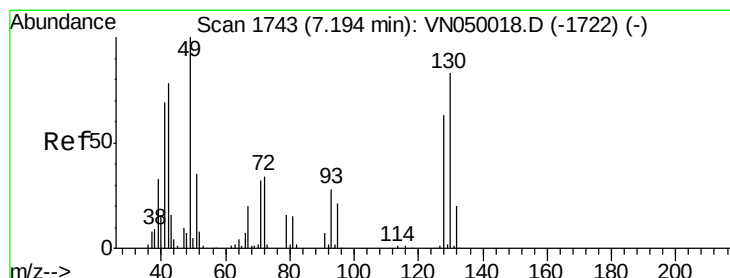
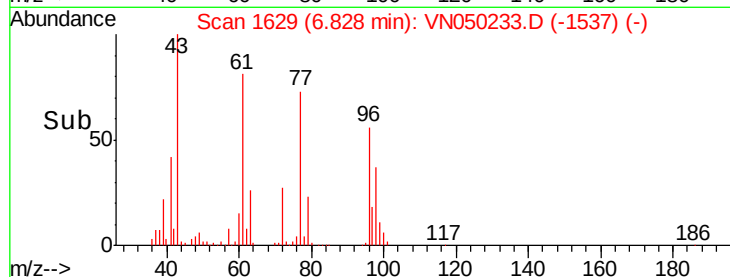
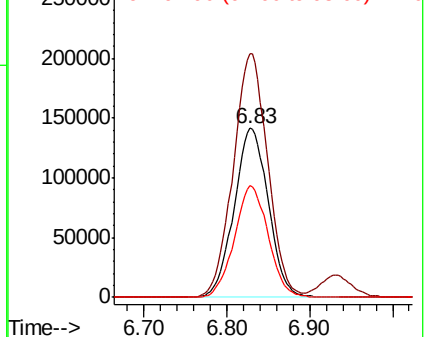
96 100

61 145.1 0.0 285.0

98 65.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 46.78 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

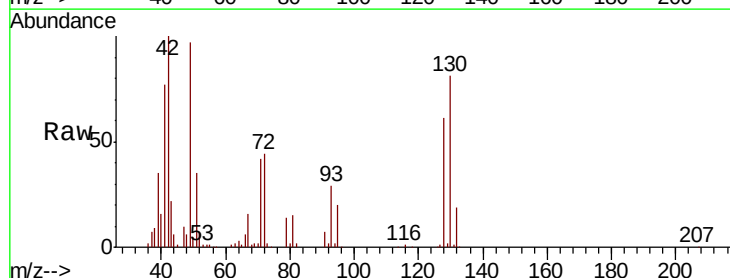
Tgt Ion: 49 Resp: 325596

Ion Ratio Lower Upper

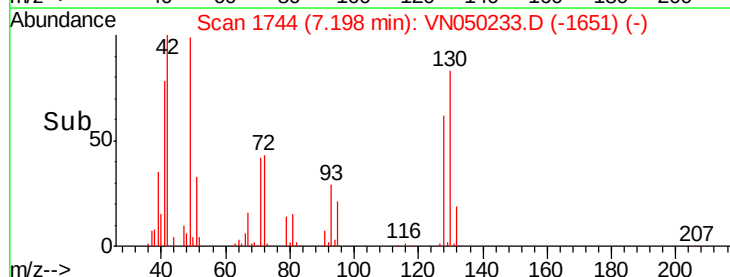
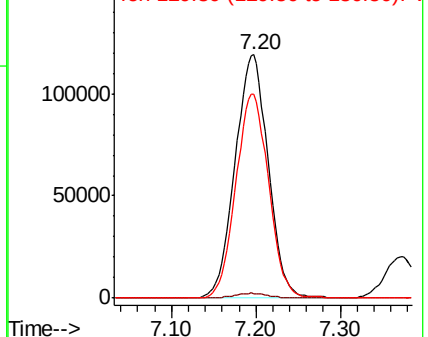
49 100

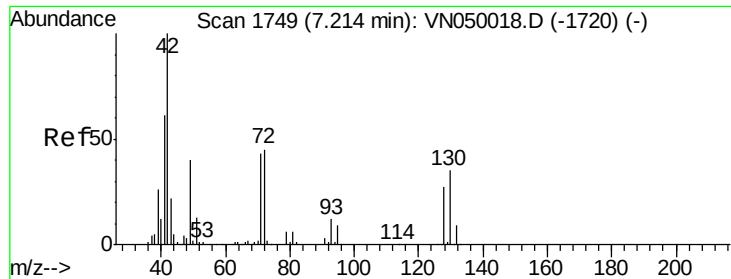
129 2.0 0.0 4.0

130 83.3 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

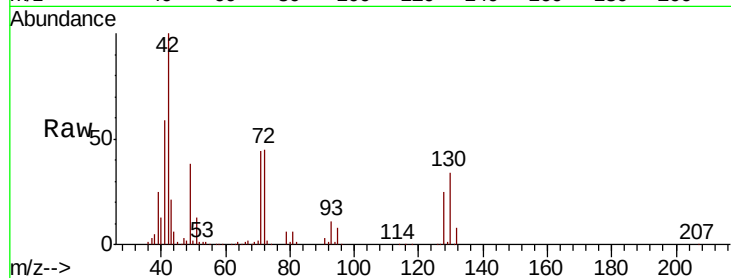




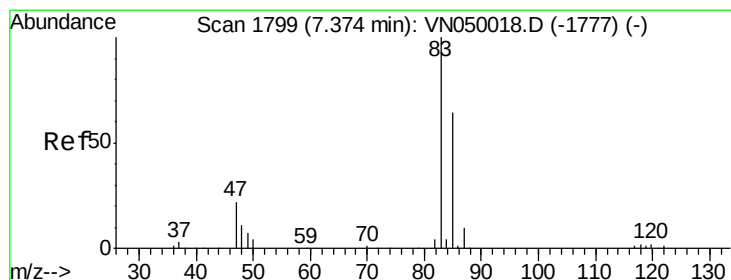
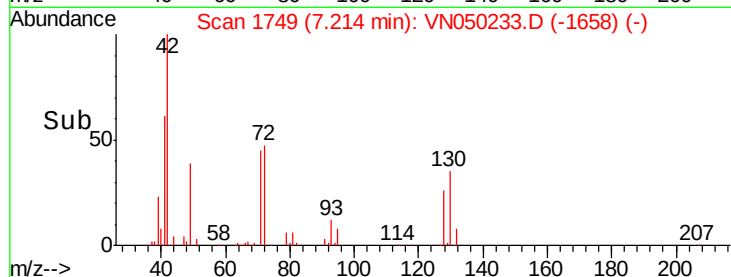
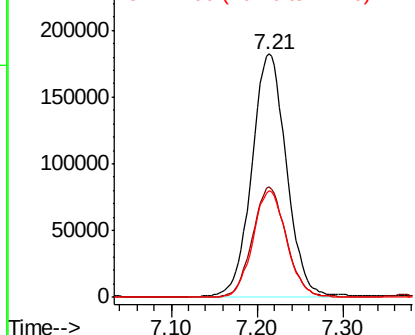
#29
Tetrahydrofuran
Concen: 225.52 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 510779
Ion Ratio Lower Upper
42 100
72 44.6 35.9 53.9
71 42.6 33.7 50.5

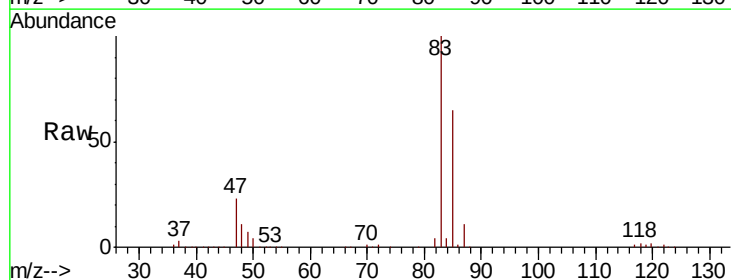


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

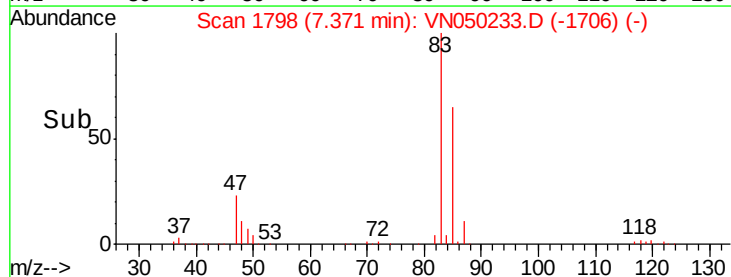
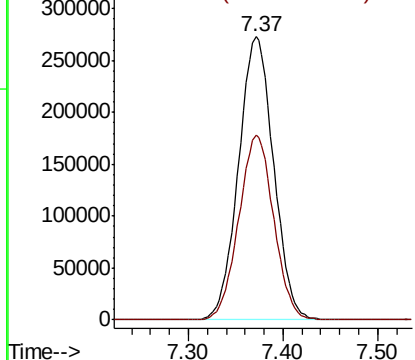


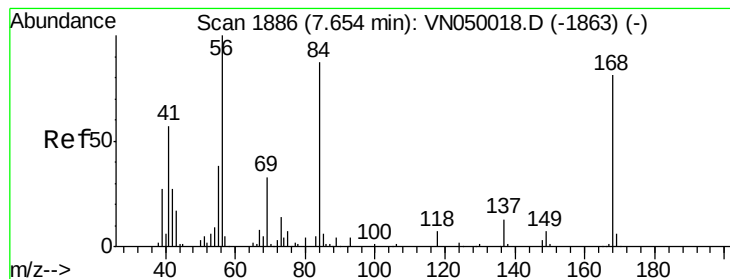
#30
Chloroform
Concen: 45.16 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 83 Resp: 703273
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.05 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

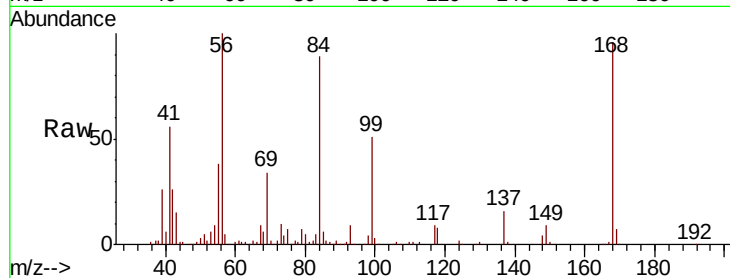
Tot Ion: 56 Resp: 570203

Ion Ratio Lower Upper

56 100

69 33.5 26.2 39.4

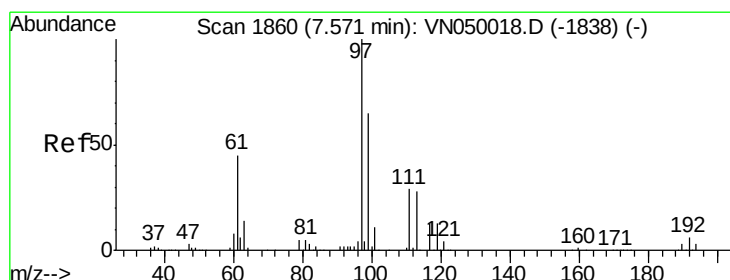
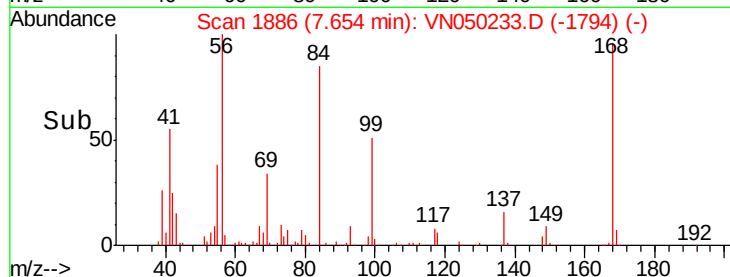
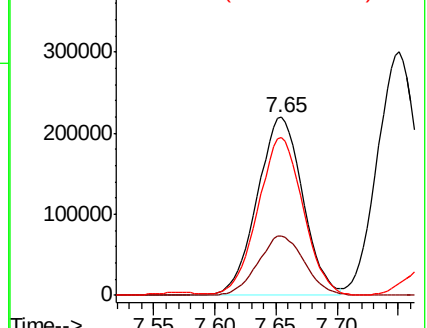
84 87.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 45.18 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

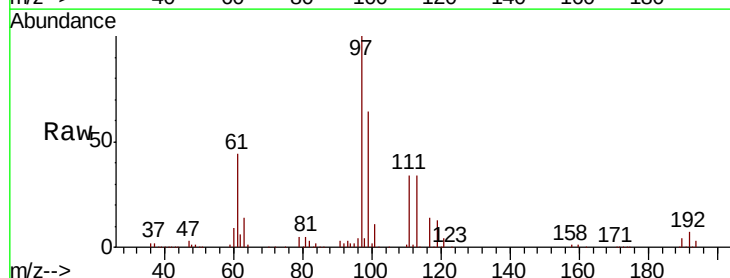
Tgt Ion: 97 Resp: 601808

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

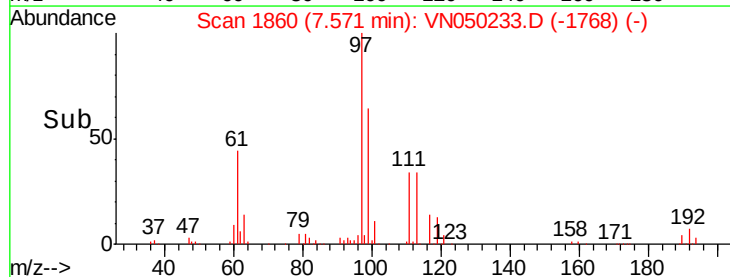
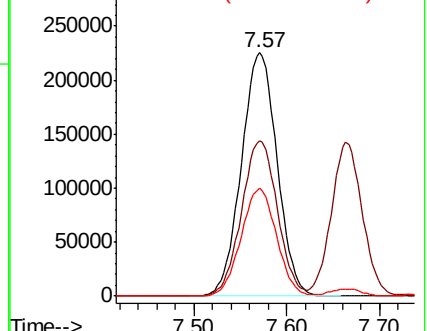
61 44.1 35.4 53.0

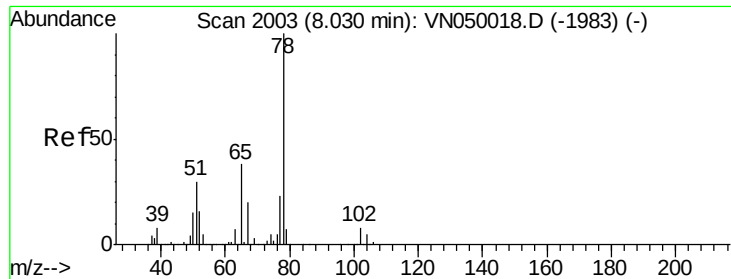


Abundance Ion 96.90 (96.60 to 97.60): VN050018.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1838) (-)

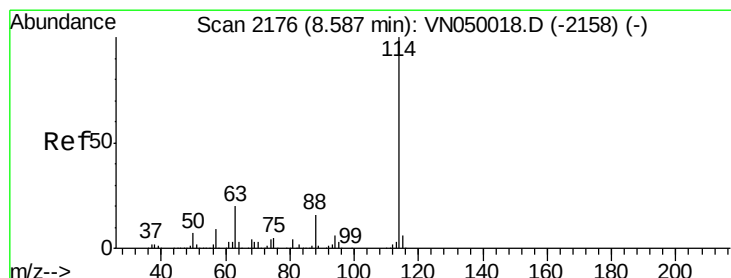
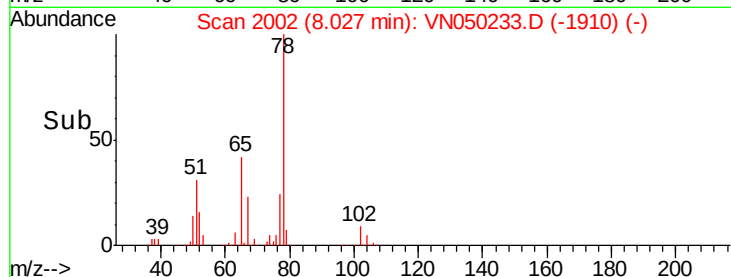
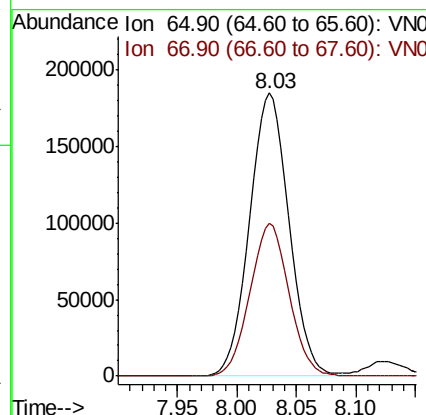
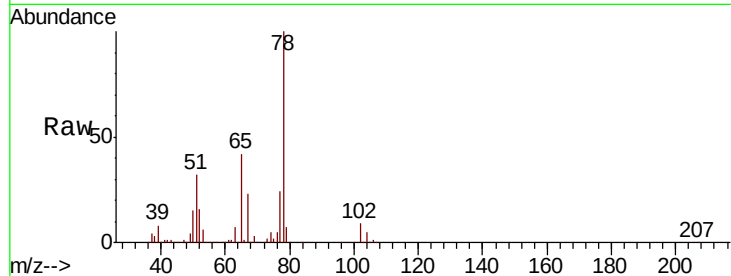




#33
 1,2-Dichloroethane-d4
 Concen: 46.20 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

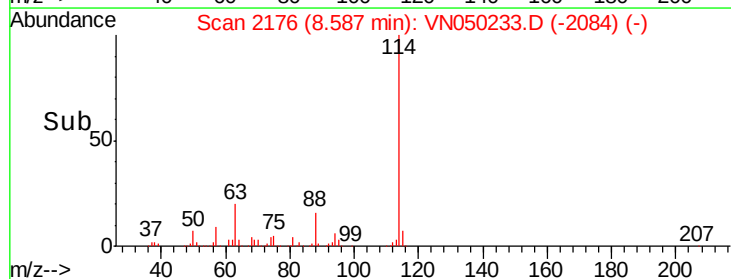
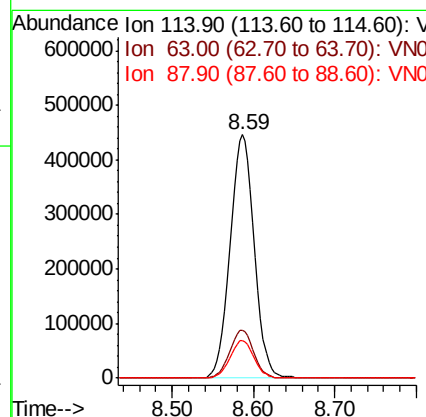
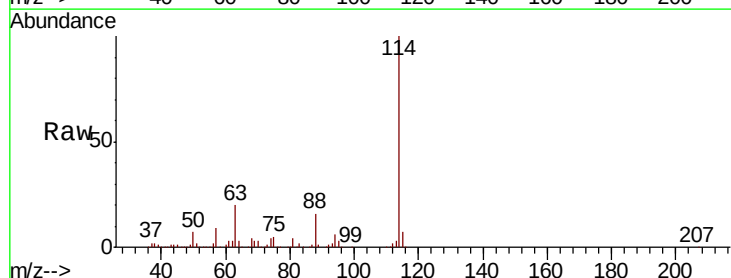
Instrument :
 MSVOA_N
 ClientSampleId :

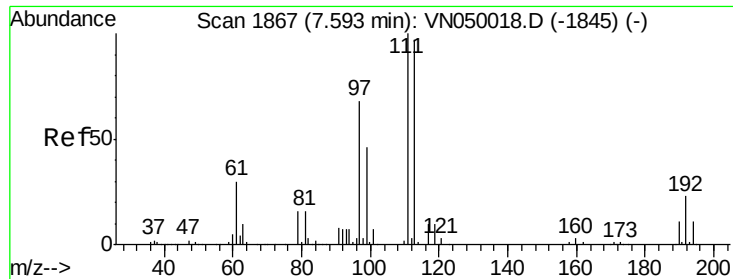
Tot Ion: 65 Resp: 424531
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 114 Resp: 931453
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.6 0.0 31.2

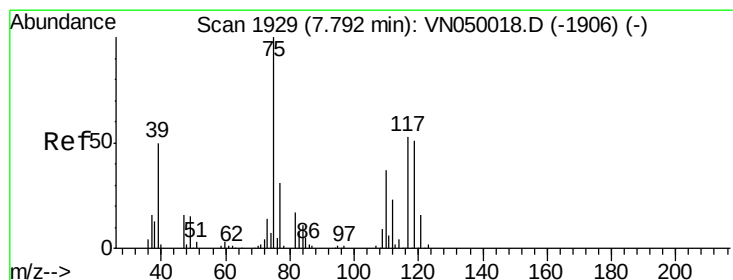
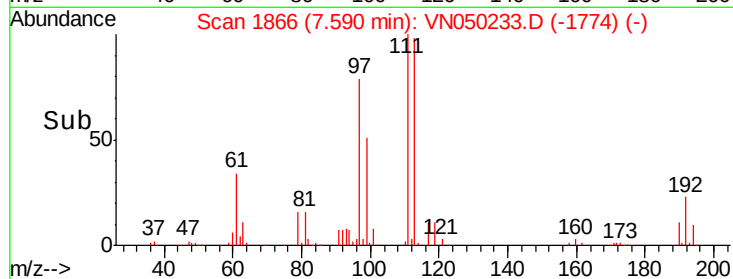
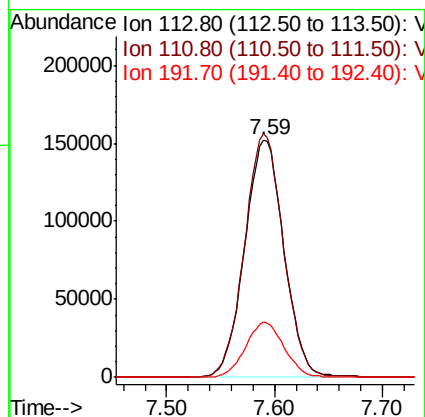
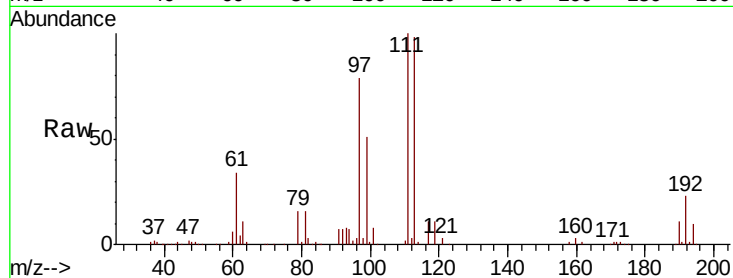




#35
 Dibromofluoromethane
 Concen: 50.54 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

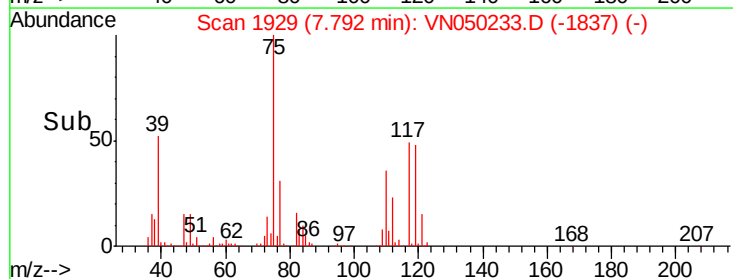
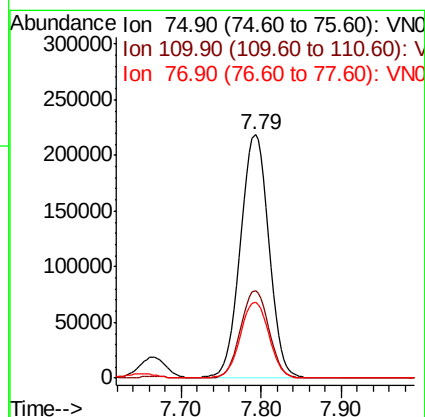
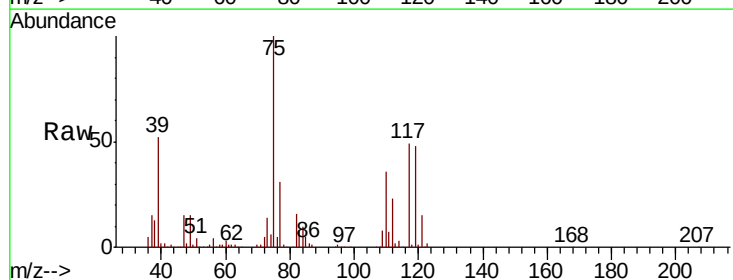
Instrument :
 MSVOA_N
 ClientSampleId :

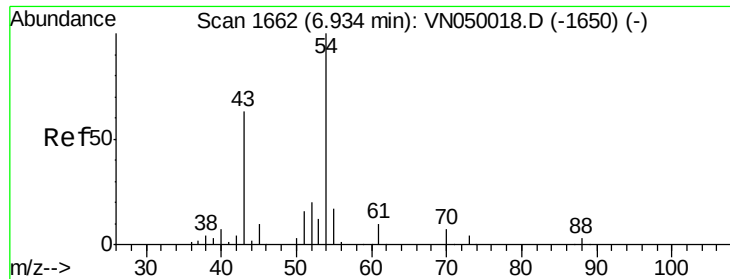
Tot Ion:113 Resp: 384333
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 49.97 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 75 Resp: 524344
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.4 55.2
 77 31.3 25.3 37.9

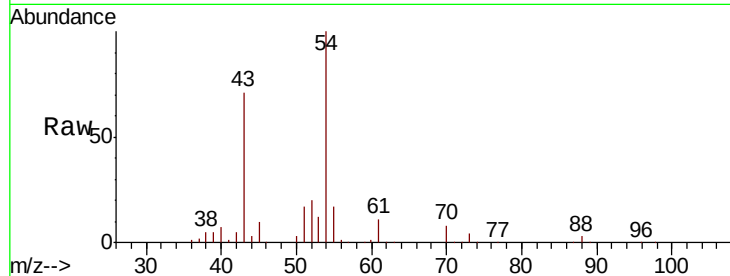




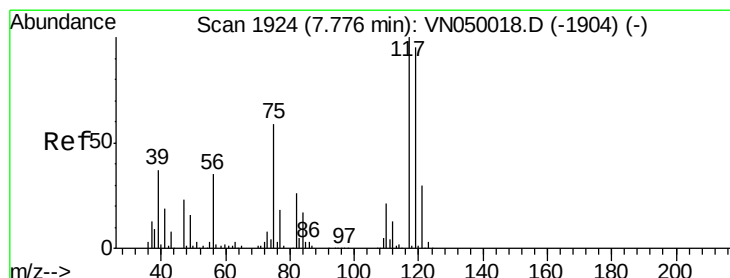
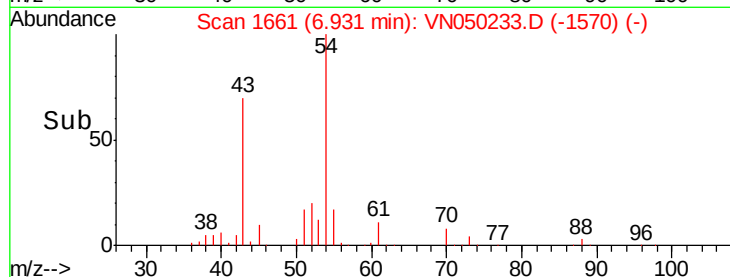
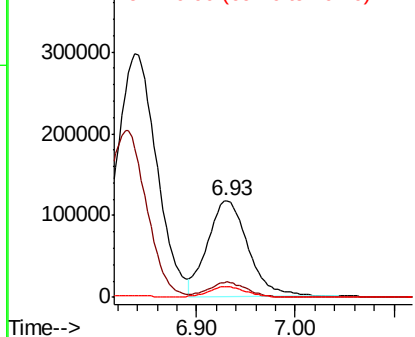
#37
Ethyl Acetate
Concen: 46.02 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 336736
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.4 8.4 12.6

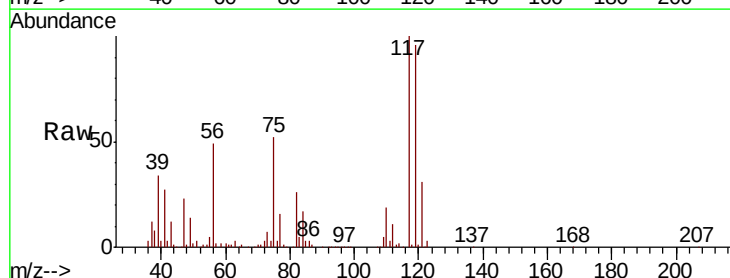


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

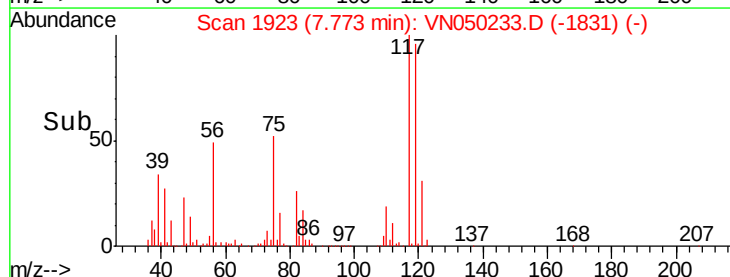
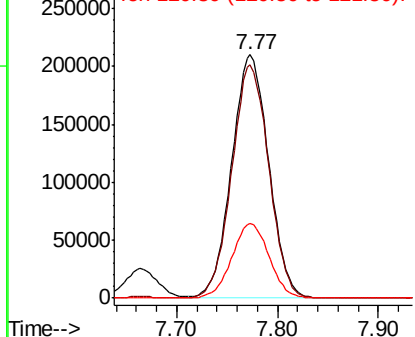


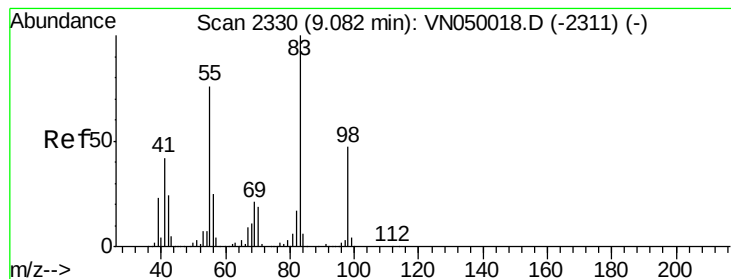
#38
Carbon Tetrachloride
Concen: 48.04 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 117 Resp: 534966
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.0
121 30.7 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

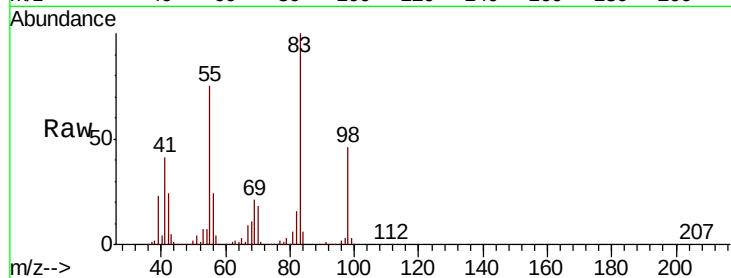




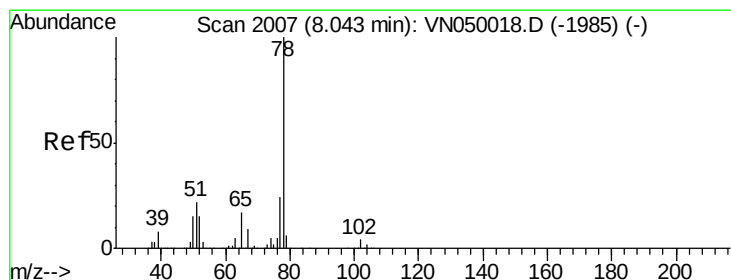
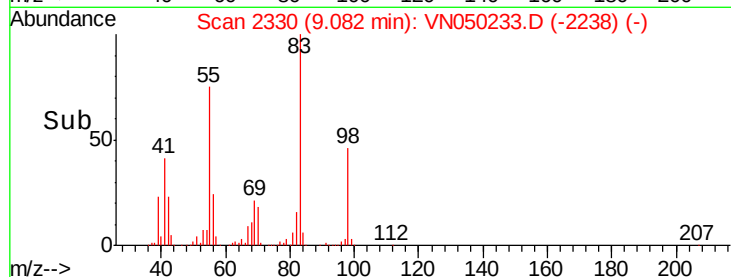
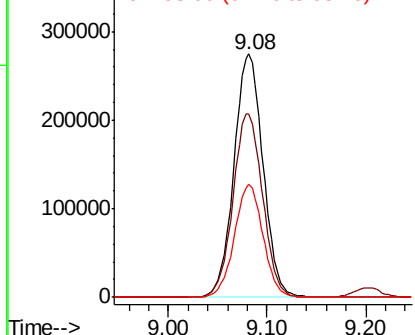
#39
Methylvlcyclohexane
Concen: 52.07 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 562136
Ion Ratio Lower Upper
83 100
55 75.4 61.8 92.8
98 46.2 36.5 54.7

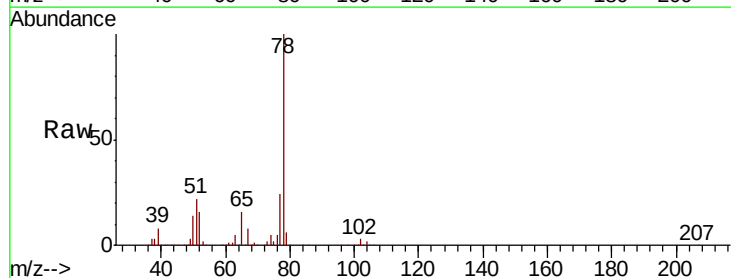


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

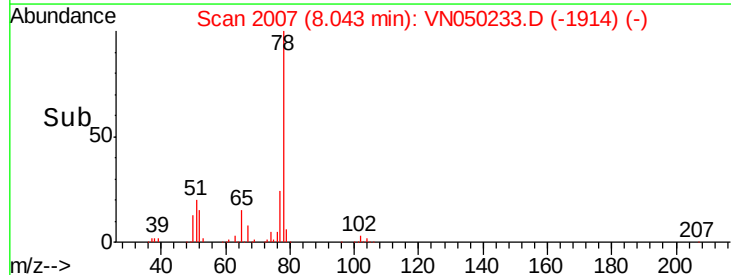
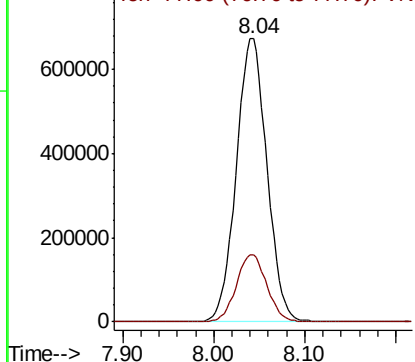


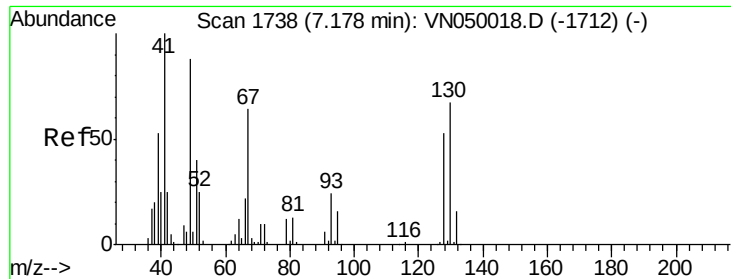
#40
Benzene
Concen: 49.30 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 78 Resp: 1574448
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

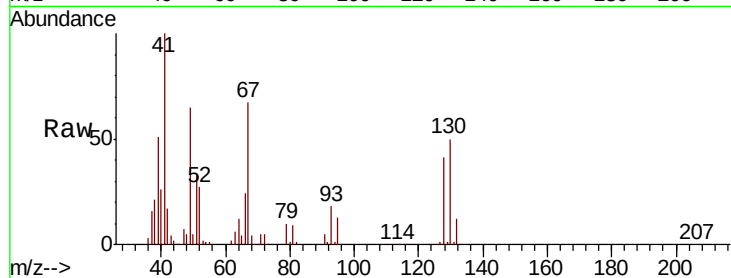




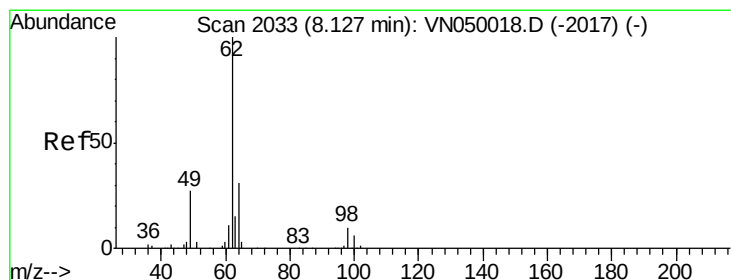
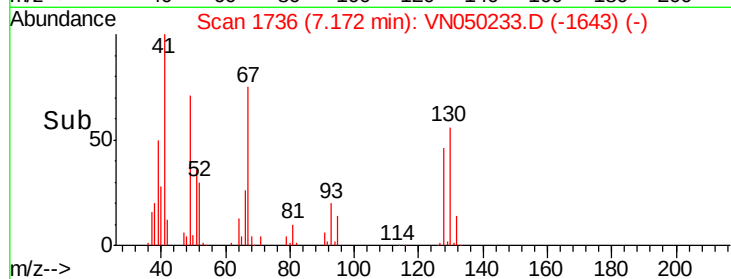
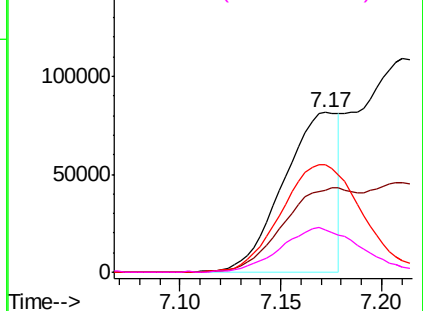
#41
Methacrylonitrile
Concen: 40.70 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 153019
Ion Ratio Lower Upper
41 100
39 68.2 55.8 83.6
67 101.2 84.3 126.5
52 40.7 34.2 51.2

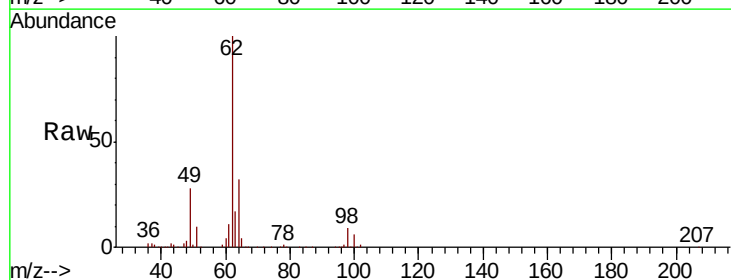


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

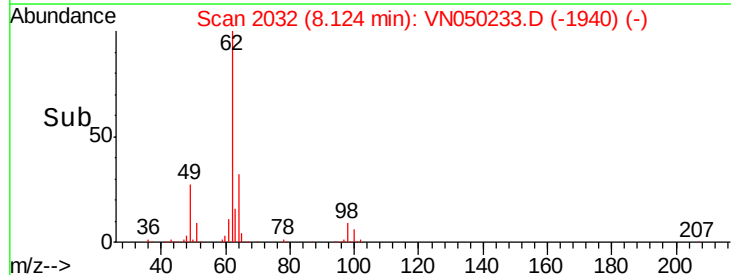
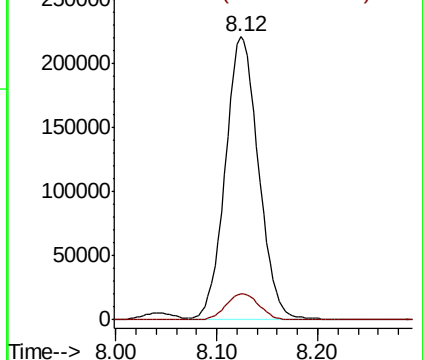


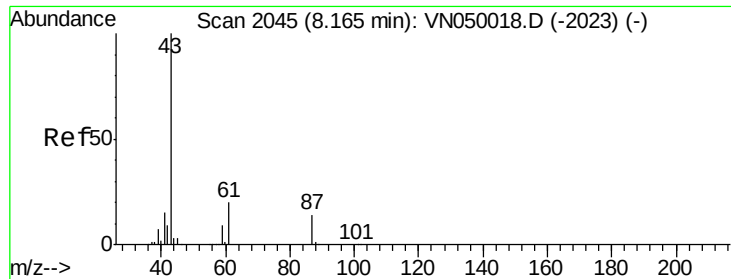
#42
1,2-Dichloroethane
Concen: 47.24 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 62 Resp: 503280
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 46.08 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

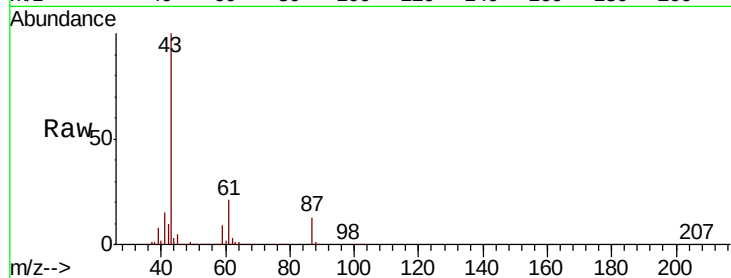
Tot Ion: 43 Resp: 636562

Ion Ratio Lower Upper

43 100

61 19.5 15.8 23.6

87 13.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

8.17

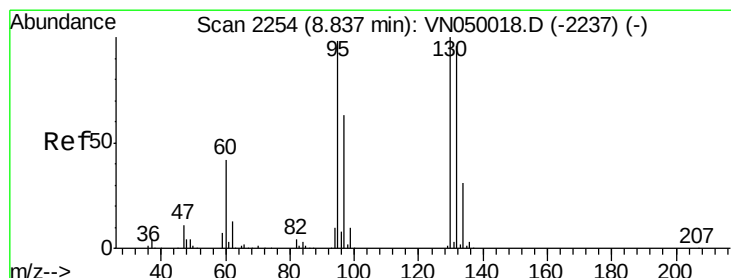
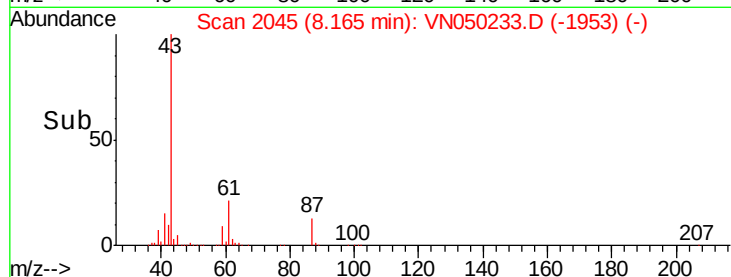
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 47.91 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050233.D

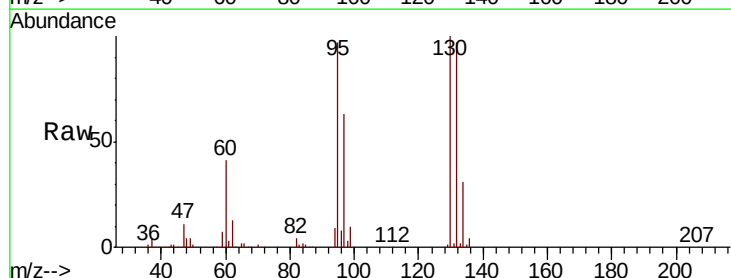
Acq: 1 Aug 2018 8:09

Tgt Ion:130 Resp: 411065

Ion Ratio Lower Upper

130 100

95 97.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

8.84

200000

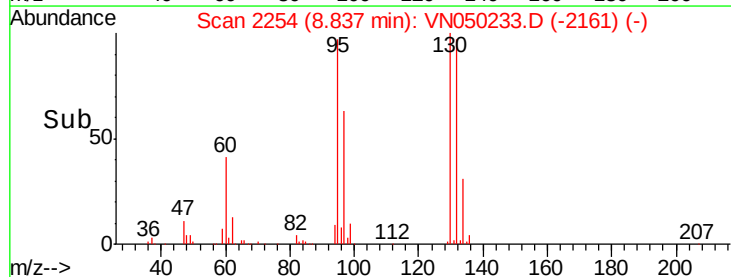
150000

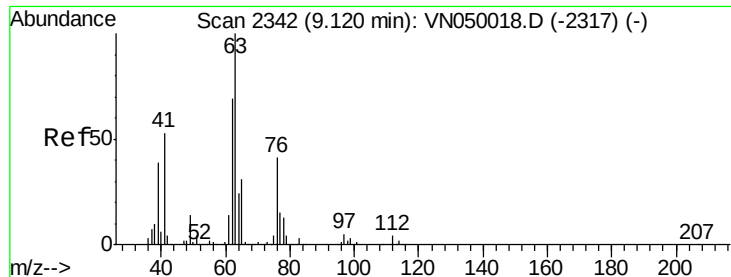
100000

50000

0

Time-->

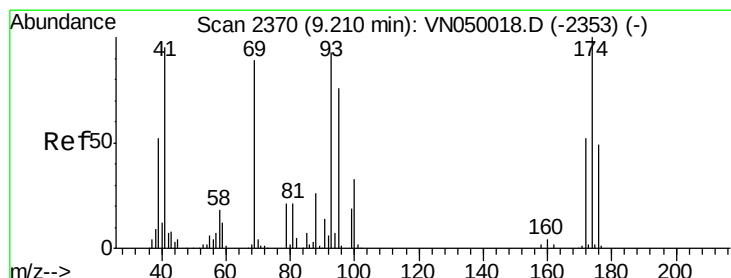
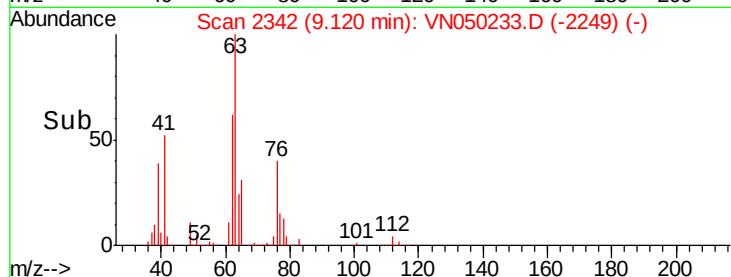
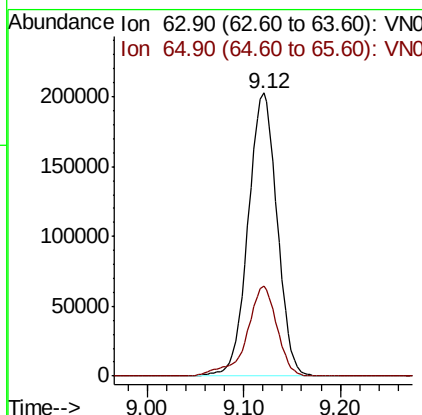
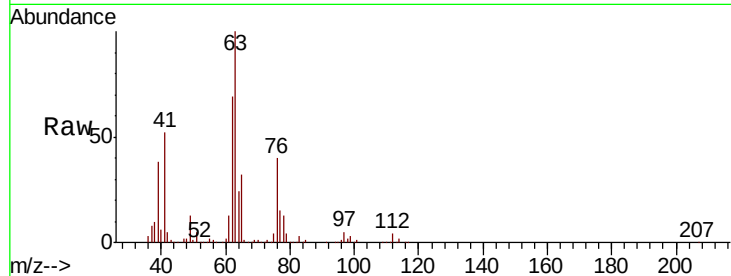




#45
 1,2-Dichloropropane
 Concen: 49.83 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

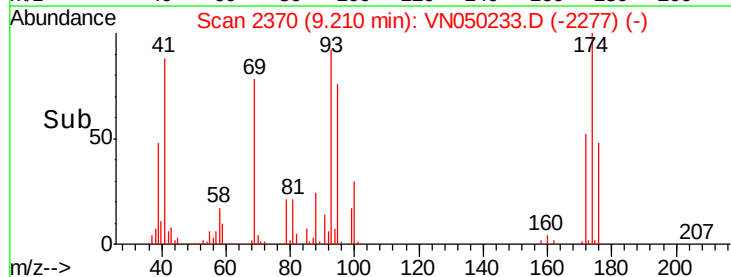
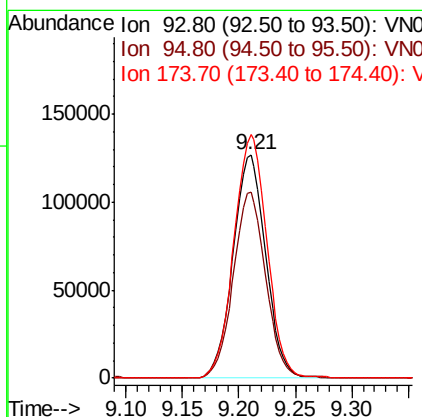
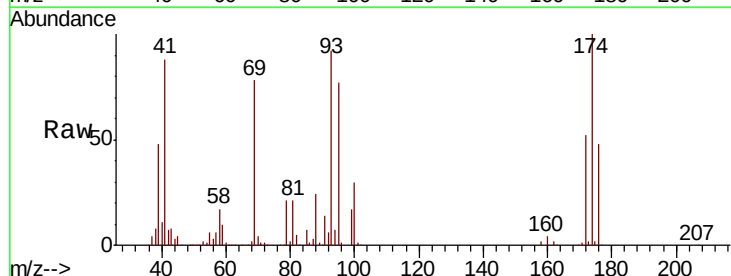
Instrument :
 MSVOA_N
 ClientSampled :

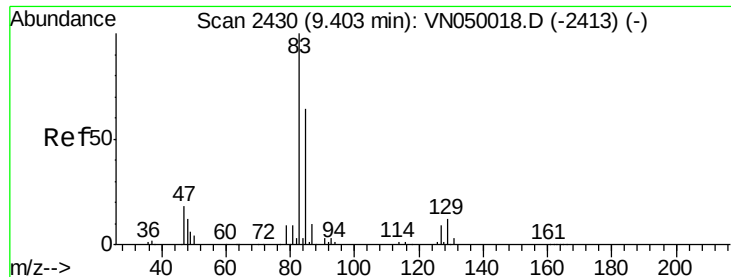
Tot Ion: 63 Resp: 421463
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.5 38.3



#46
 Dibromomethane
 Concen: 48.71 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 93 Resp: 255795
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 100.0
 174 110.3 87.1 130.7





#47

Bromodichloromethane

Concen: 49.45 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :

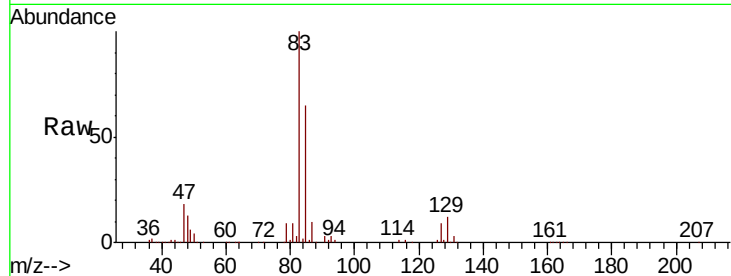
Tot Ion: 83 Resp: 548083

Ion Ratio Lower Upper

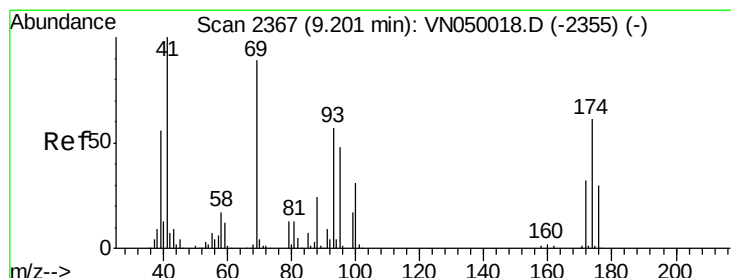
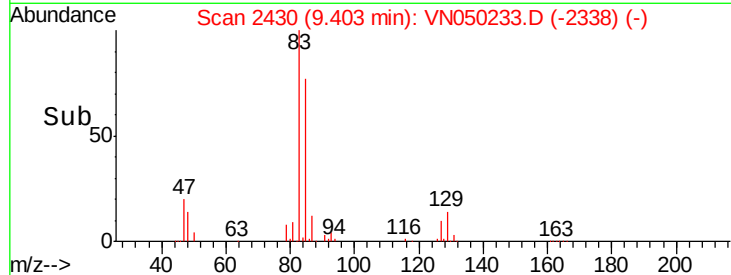
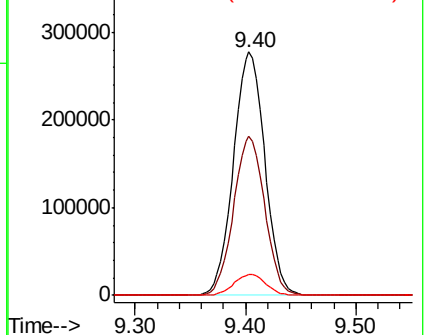
83 100

85 65.2 51.1 76.7

127 8.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 49.66 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

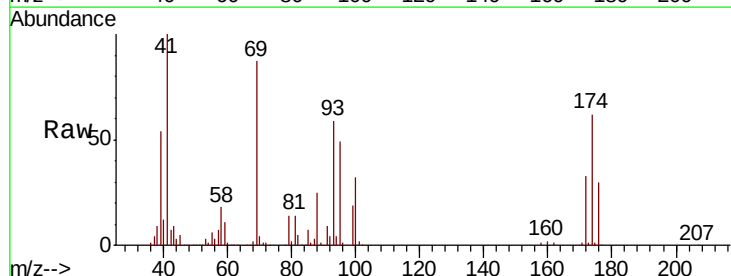
Tgt Ion: 41 Resp: 312919

Ion Ratio Lower Upper

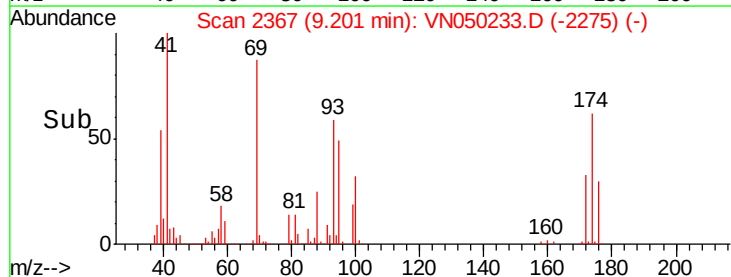
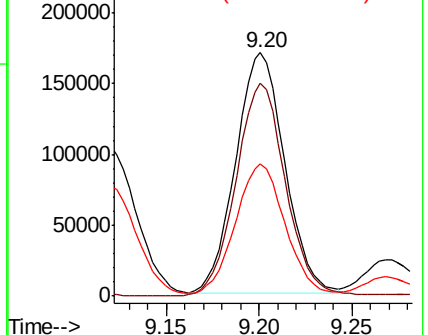
41 100

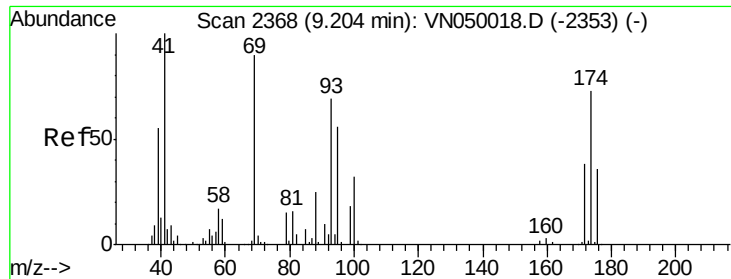
69 90.1 70.6 105.8

39 55.8 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1036.70 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

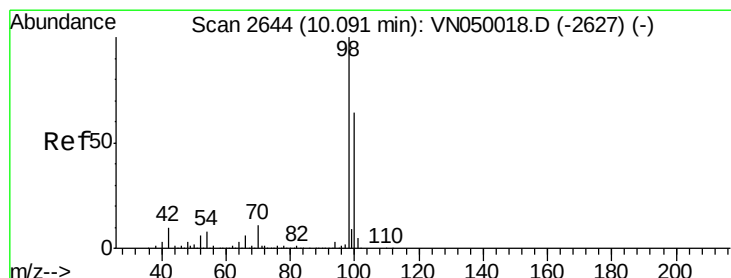
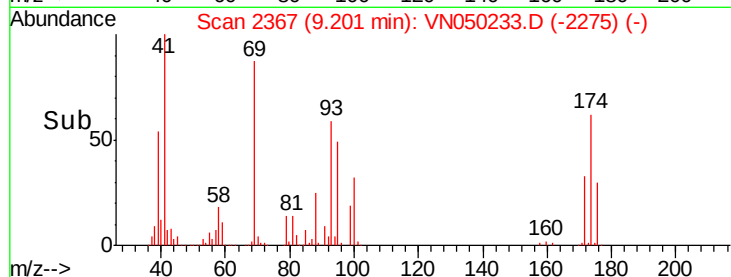
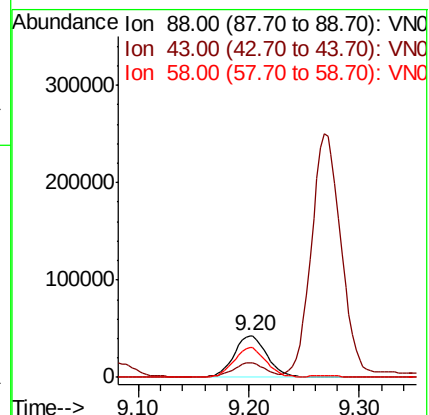
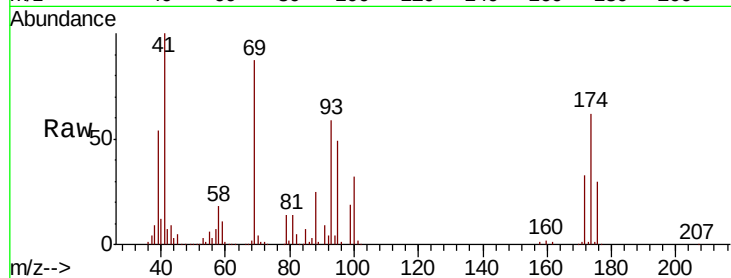
Tot Ion: 88 Resp: 88900

Ion Ratio Lower Upper

88 100

43 30.8 26.9 40.3

58 69.2 57.3 85.9



#50

Toluene-d8

Concen: 51.23 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050233.D

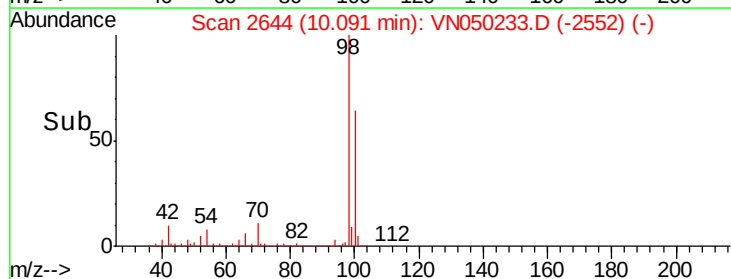
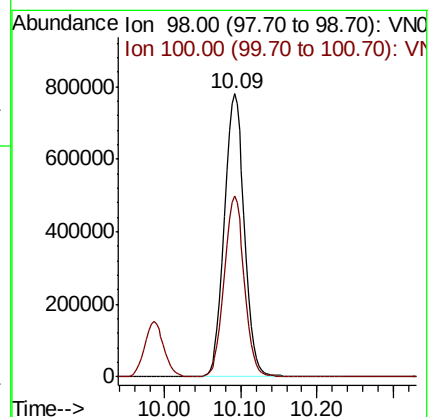
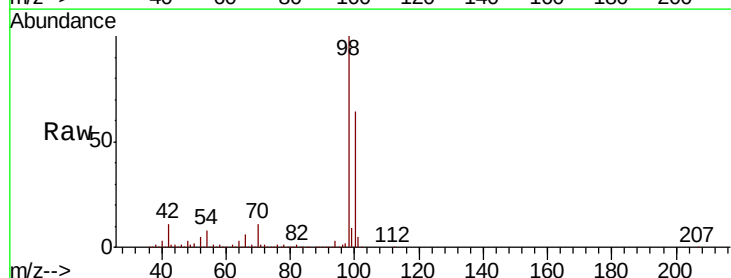
Acq: 1 Aug 2018 8:09

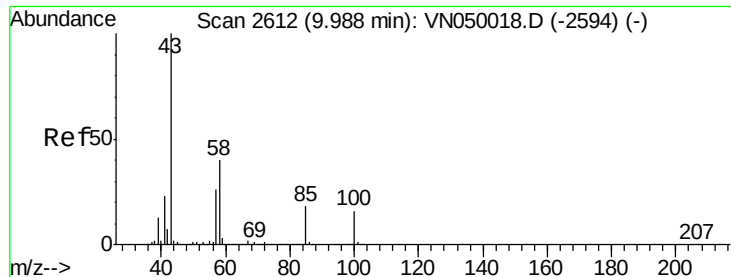
Tgt Ion: 98 Resp: 1432410

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1

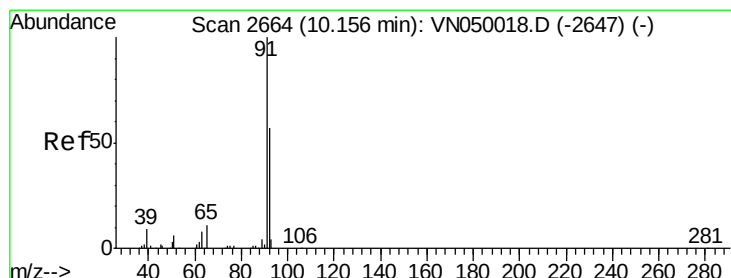
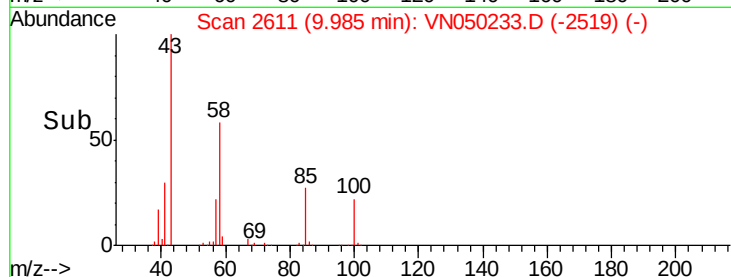
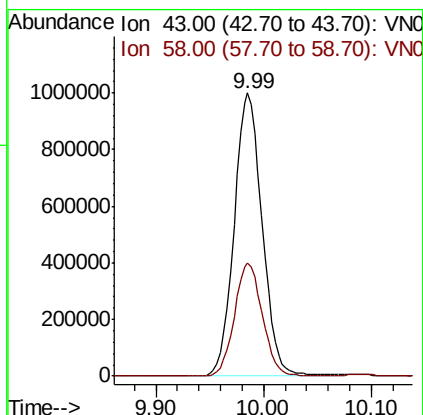
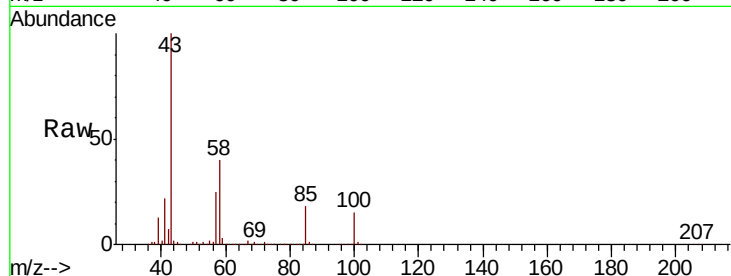




#51
4-Methyl-2-Pentanone
Concen: 250.90 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

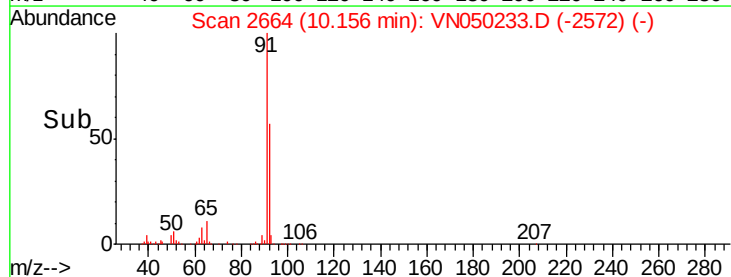
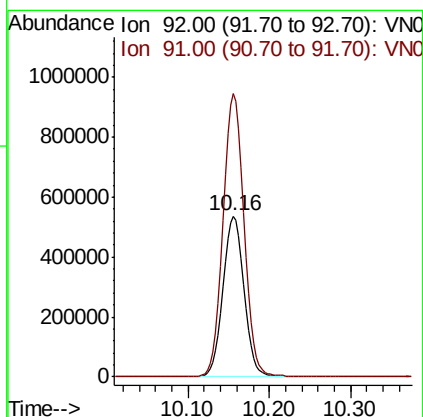
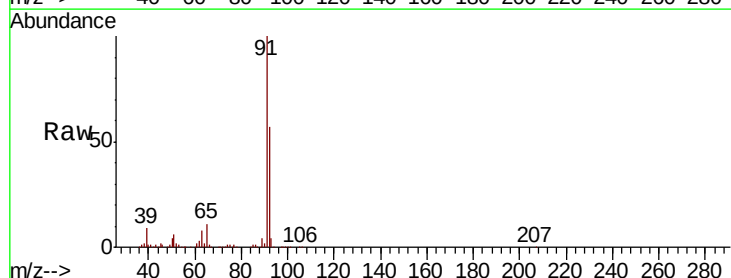
Instrument :
MSVOA_N
ClientSampled :

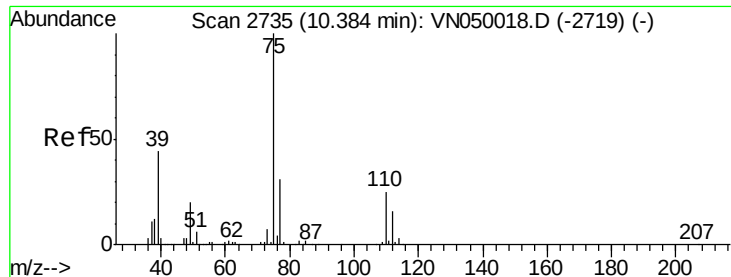
Tot Ion: 43 Resp: 1804602
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9



#52
Toluene
Concen: 52.27 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 92 Resp: 985328
Ion Ratio Lower Upper
92 100
91 175.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 53.50 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

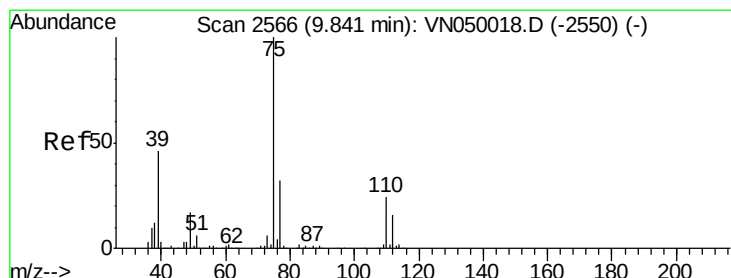
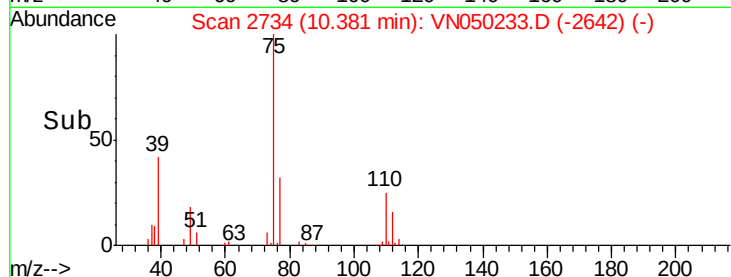
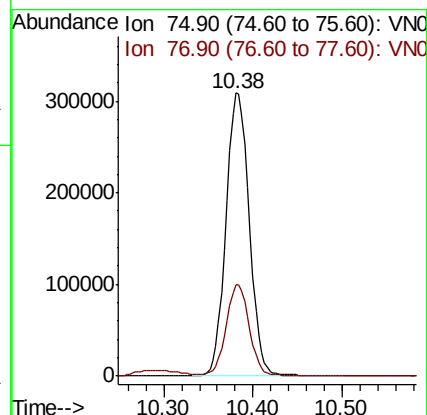
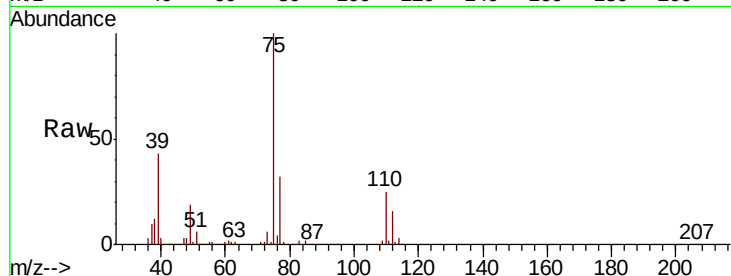
ClientSampled :

Tot Ion: 75 Resp: 559607

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 52.61 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

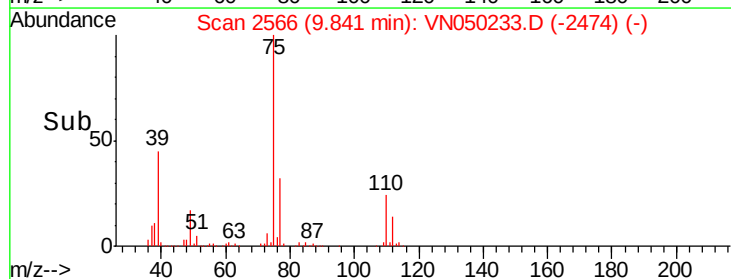
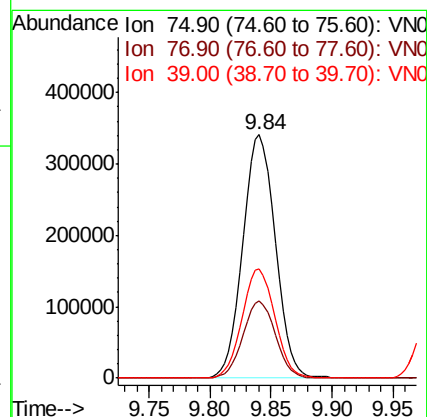
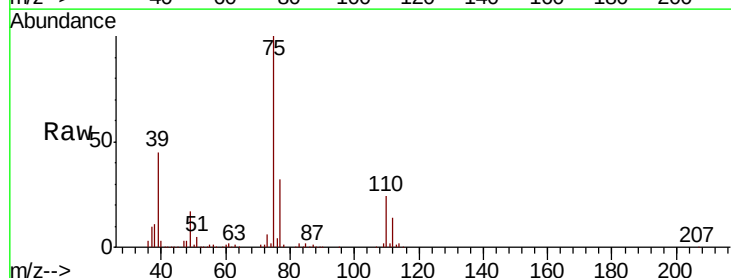
Tgt Ion: 75 Resp: 628859

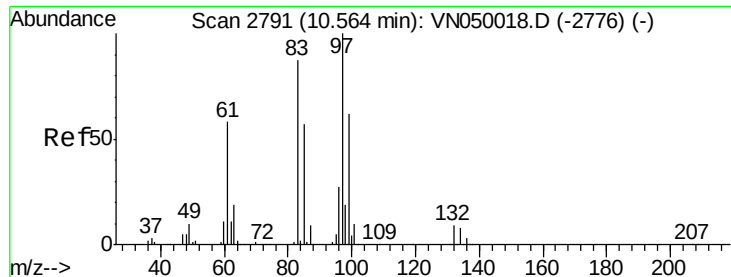
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 44.8 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 49.76 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 372049

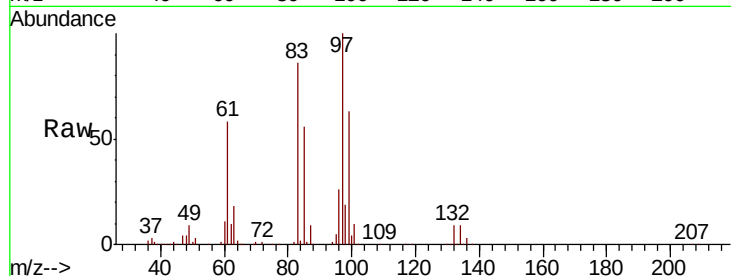
Ion Ratio Lower Upper

97 100

83 85.8 69.2 103.8

85 56.1 44.0 66.0

99 62.9 49.9 74.9

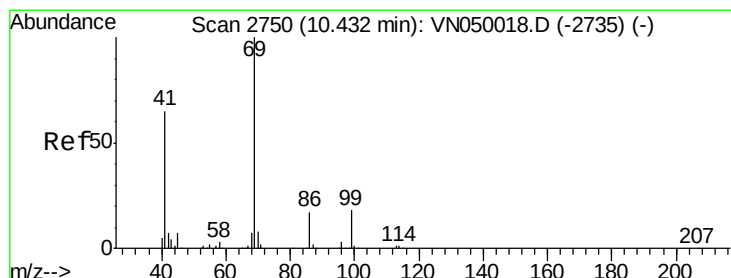
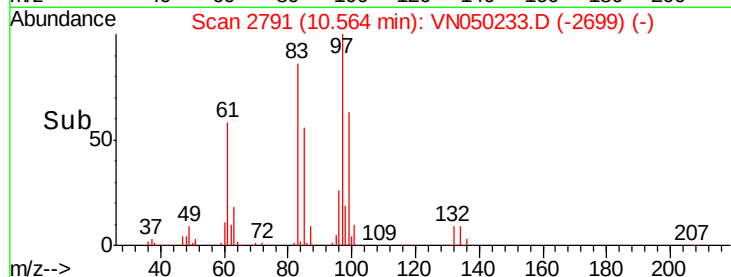
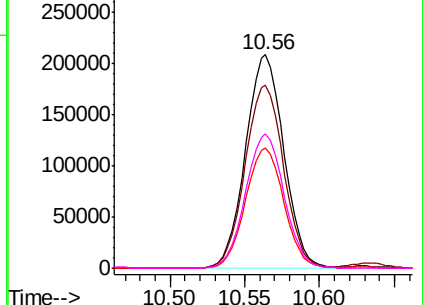


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 46.78 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

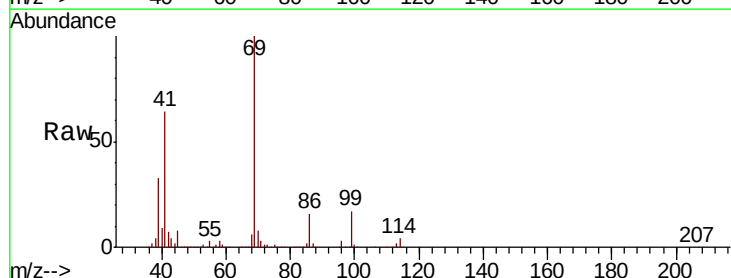
Tgt Ion: 69 Resp: 472439

Ion Ratio Lower Upper

69 100

41 62.8 51.0 76.4

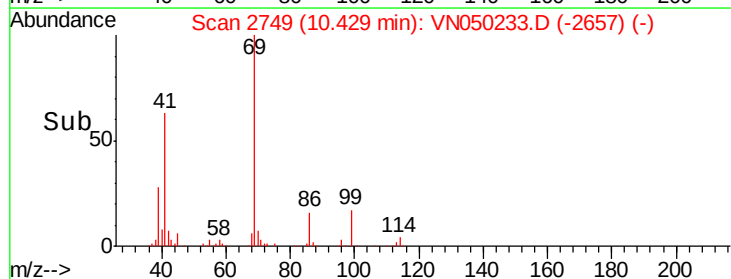
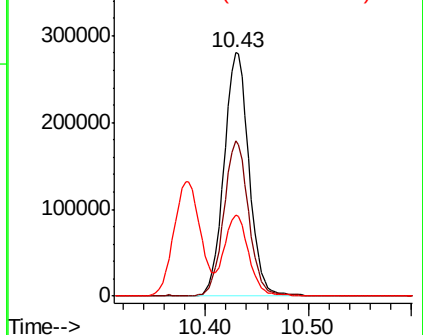
39 32.0 26.6 40.0

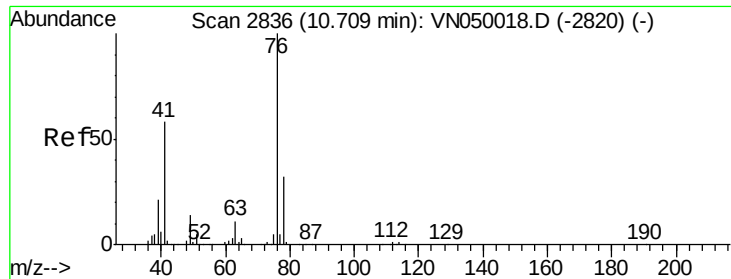


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

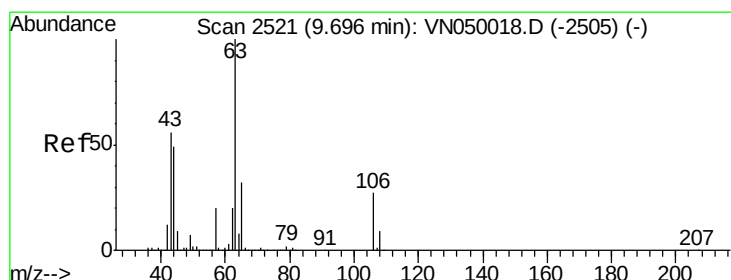
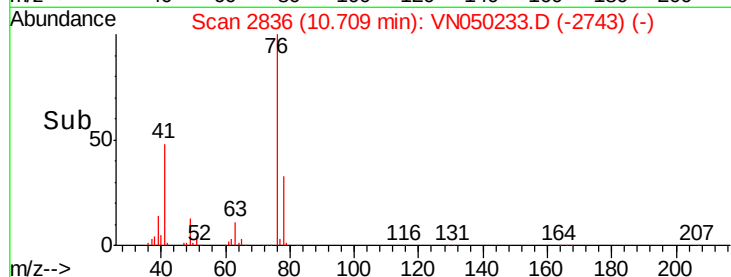
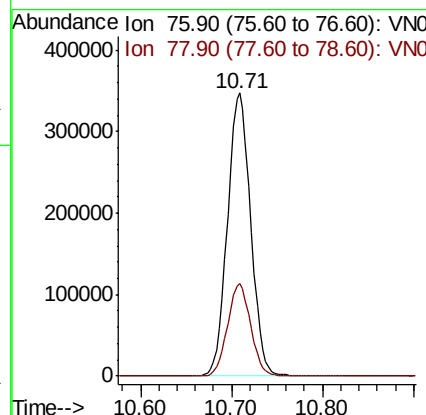
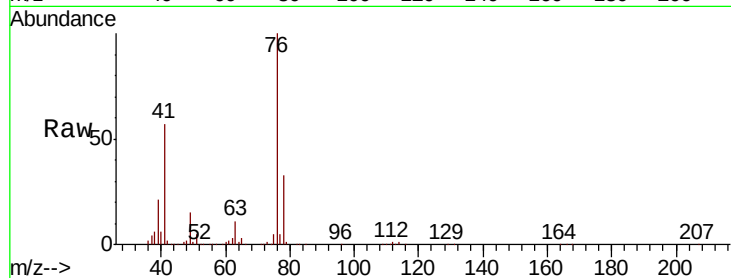




#57
 1,3-Dichloropropane
 Concen: 50.54 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

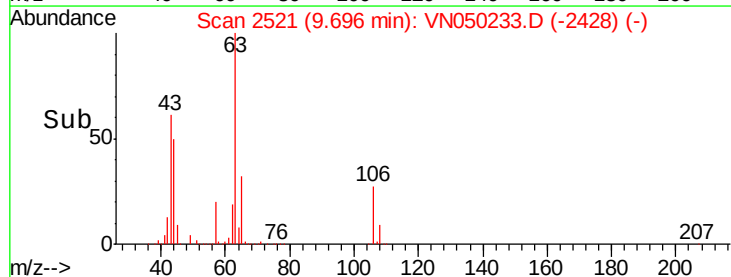
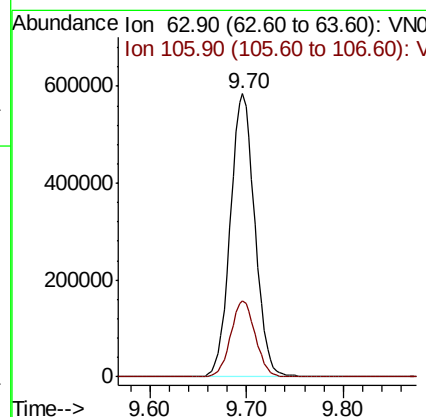
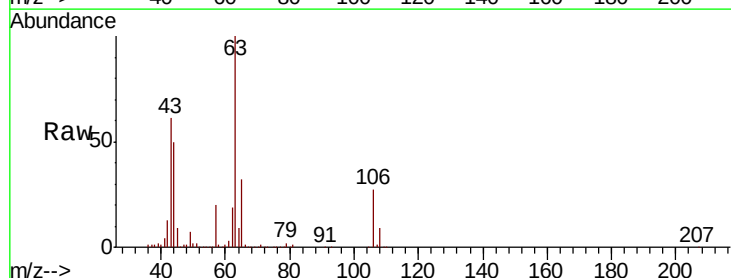
Instrument :
 MSVOA_N
 ClientSampled :

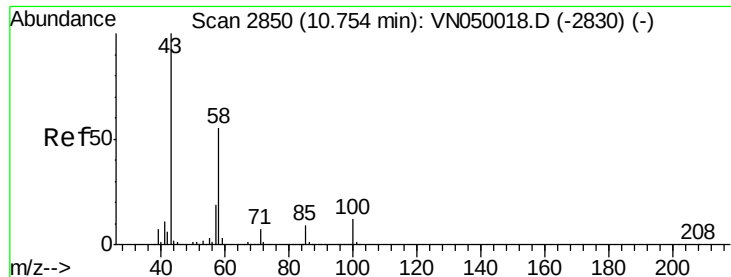
Tot Ion: 76 Resp: 615268
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.63 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 63 Resp: 1029273
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

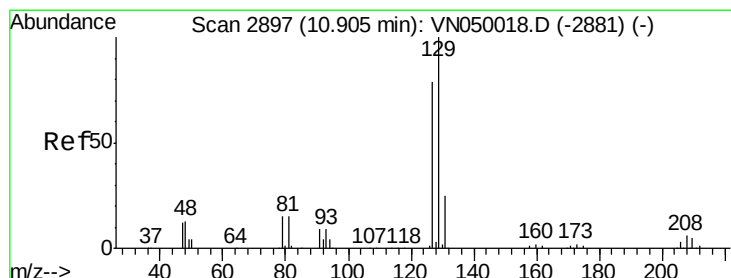
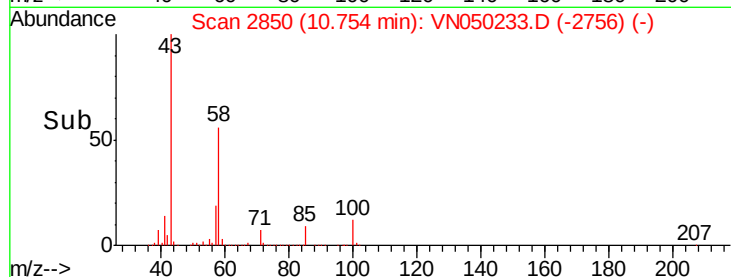
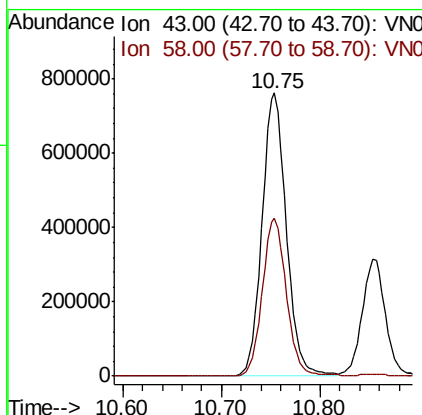
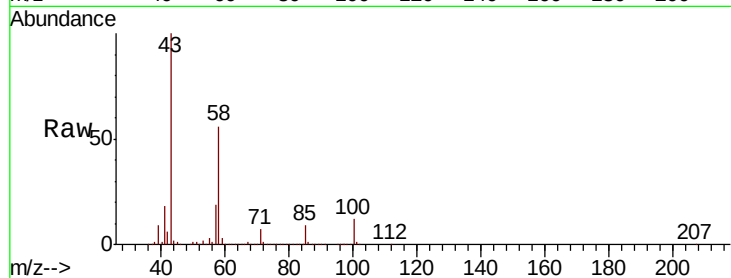




#59
2-Hexanone
Concen: 243.39 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

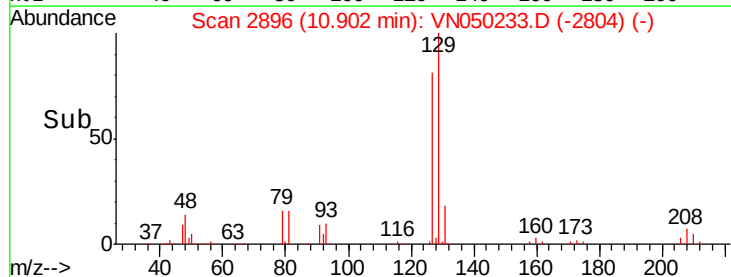
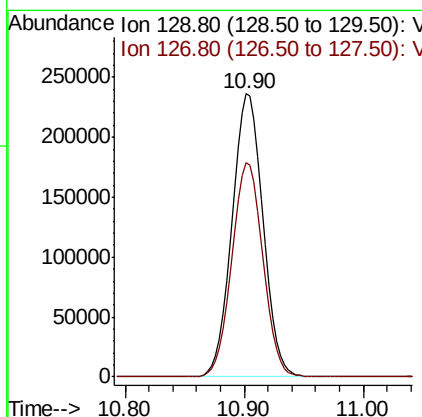
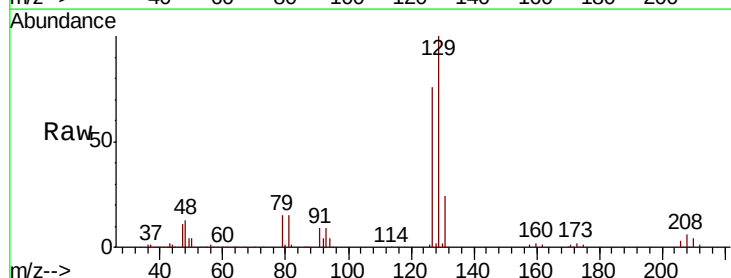
Instrument :
MSVOA_N
ClientSampled :

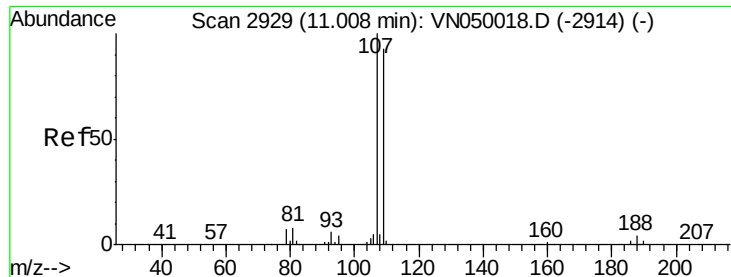
Tot Ion: 43 Resp: 1285646
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7



#60
Dibromochloromethane
Concen: 51.50 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 129 Resp: 426312
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.47 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

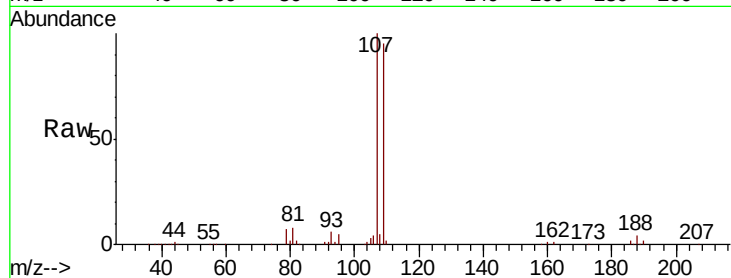
ClientSampleId :

Tot Ion:107 Resp: 366975

Ion Ratio Lower Upper

107 100

109 94.0 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

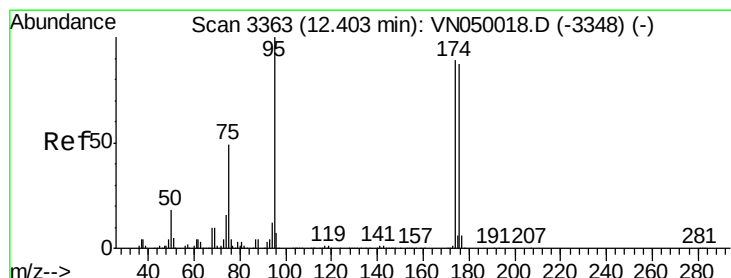
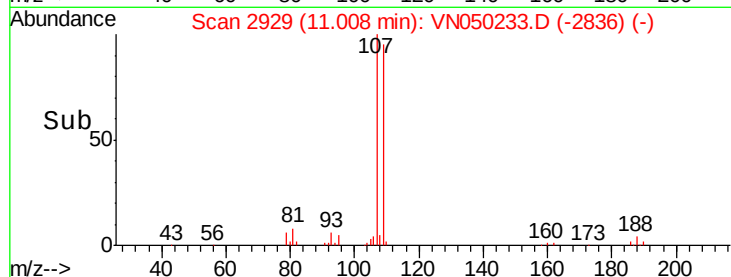
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 54.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

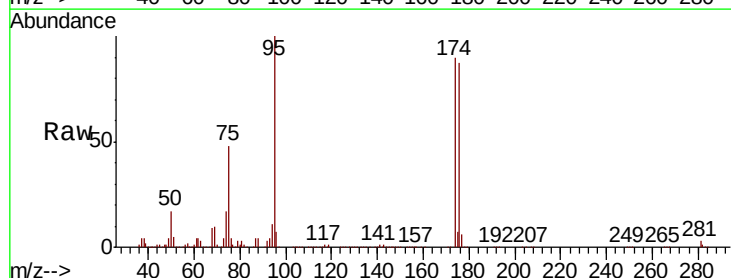
Tgt Ion: 95 Resp: 501384

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

176 87.1 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

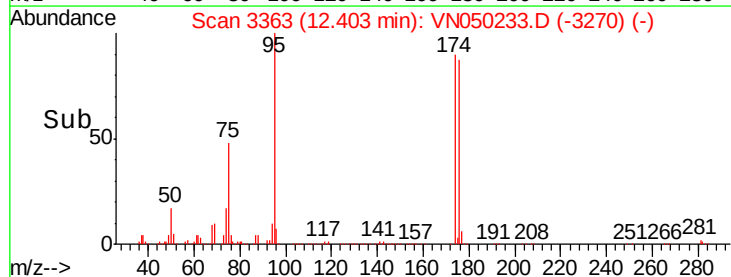
300000

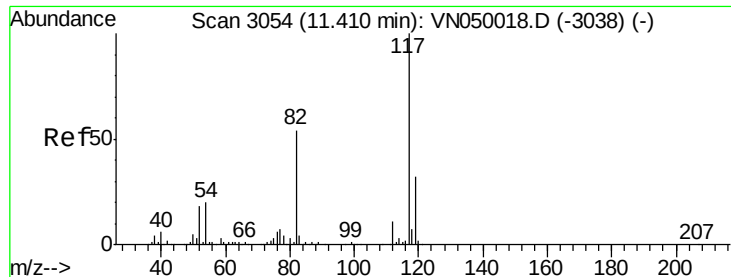
200000

100000

0

Time--> 12.35 12.40 12.45

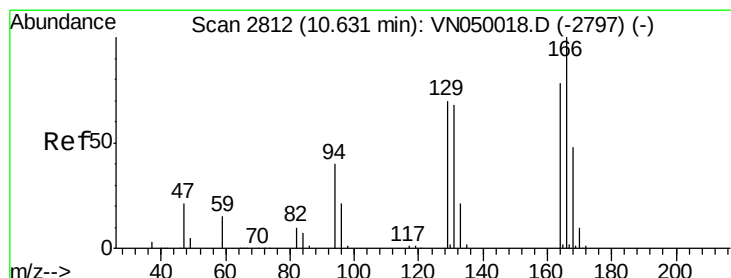
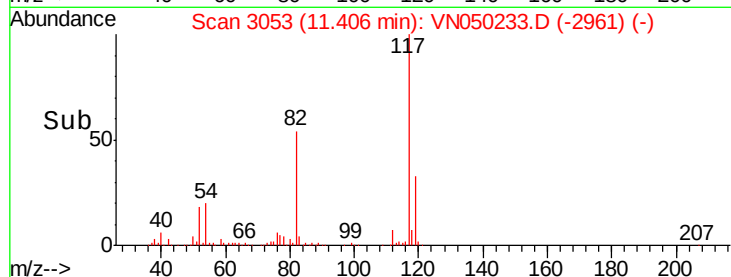
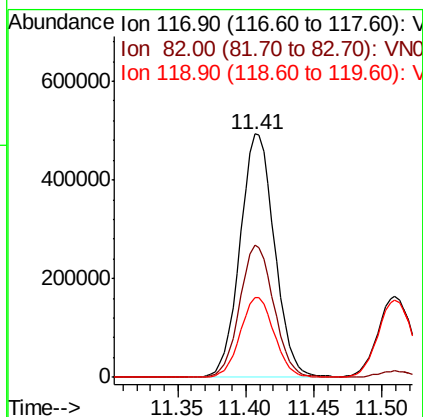
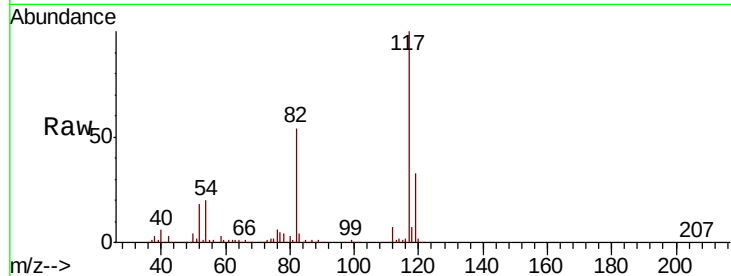




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

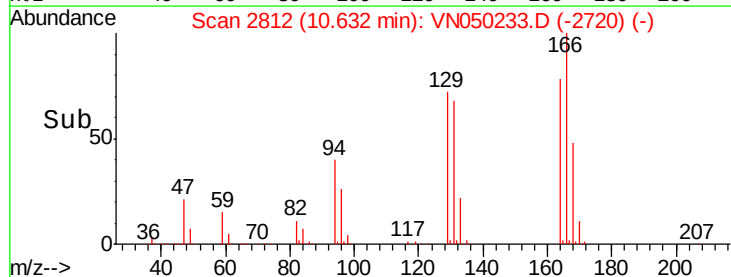
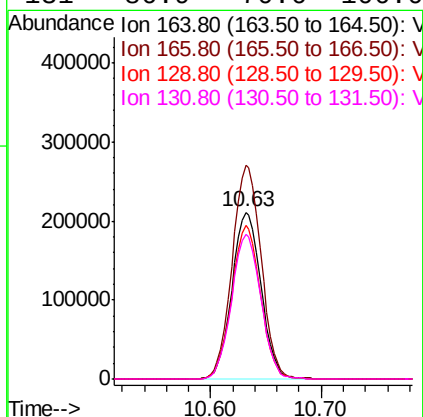
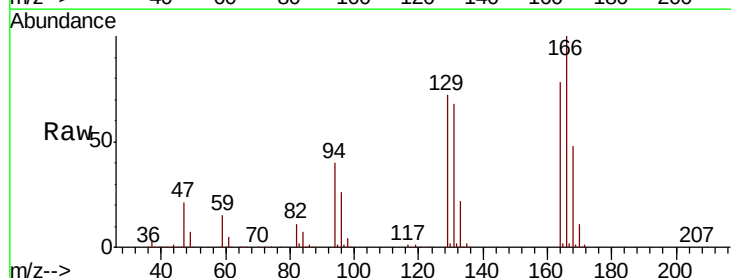
Instrument :
MSVOA_N
ClientSampled :

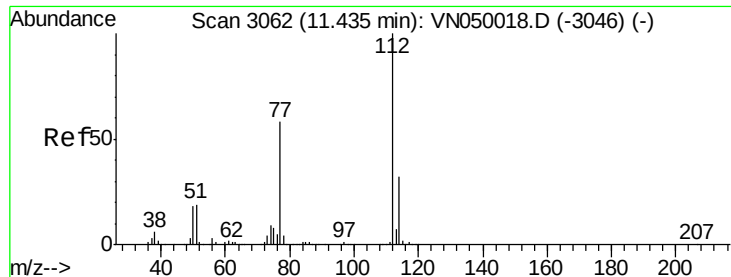
Tot Ion:117 Resp: 865904
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.7 26.1 39.1



#64
Tetrachloroethene
Concen: 46.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:164 Resp: 385598
Ion Ratio Lower Upper
164 100
166 128.0 102.1 153.1
129 91.8 73.2 109.8
131 86.9 70.6 106.0

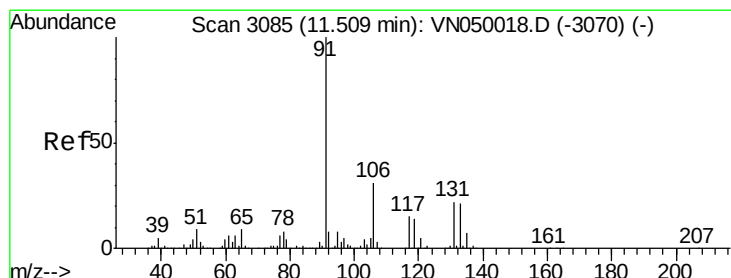
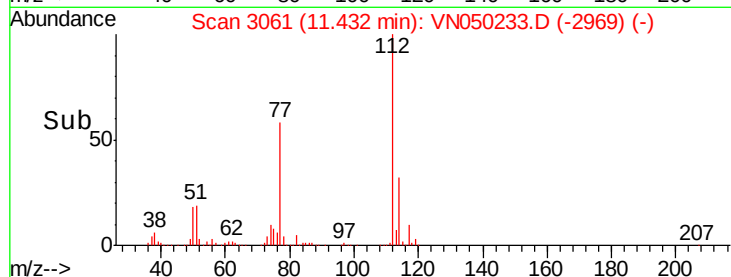
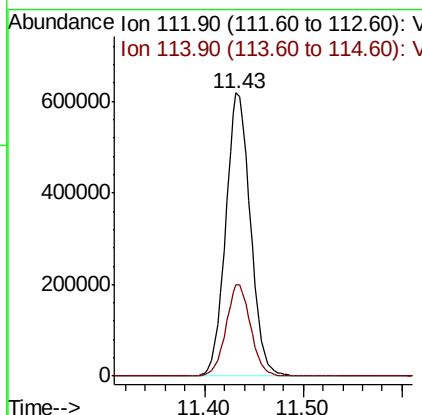
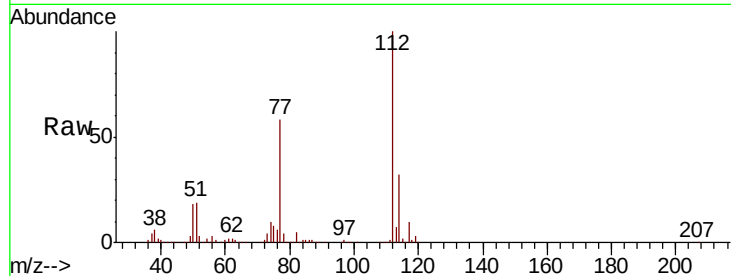




#65
Chlorobenzene
Concen: 49.55 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

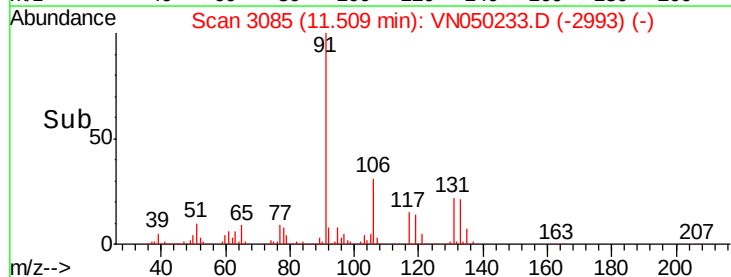
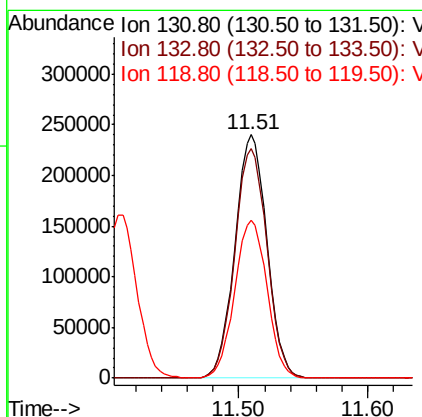
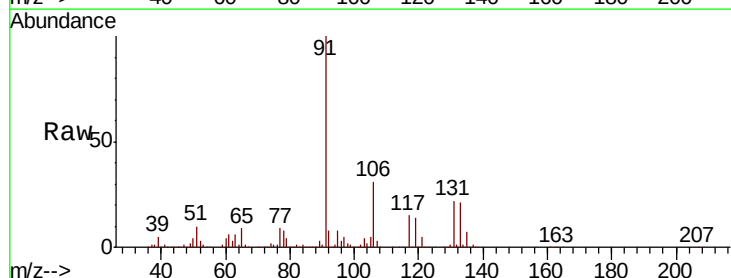
Instrument :
MSVOA_N
ClientSampleId :

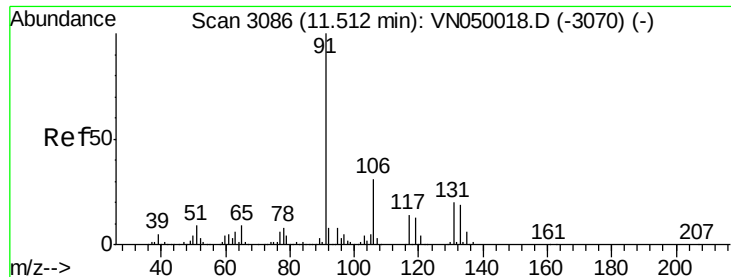
Tot Ion:112 Resp: 1083750
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.26 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:131 Resp: 413951
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.7 32.9 98.7

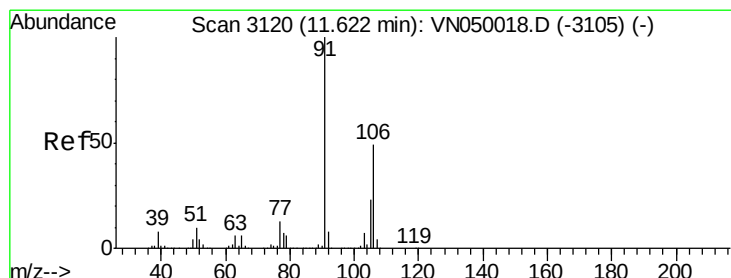
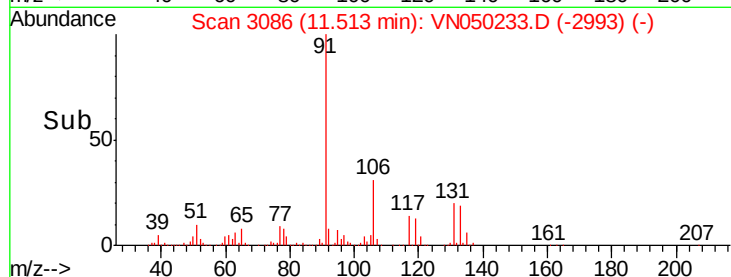
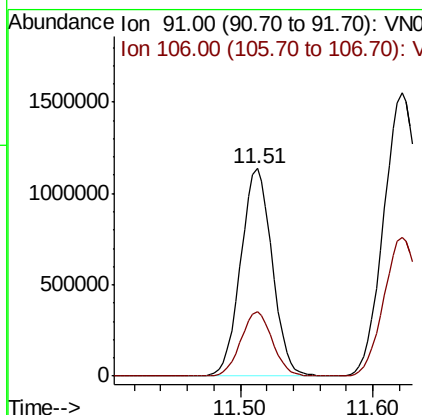
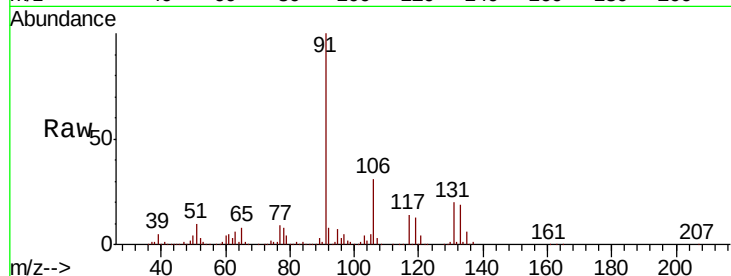




#67
Ethyl Benzene
Concen: 53.30 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

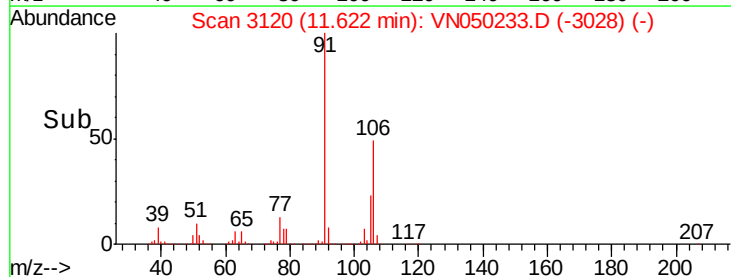
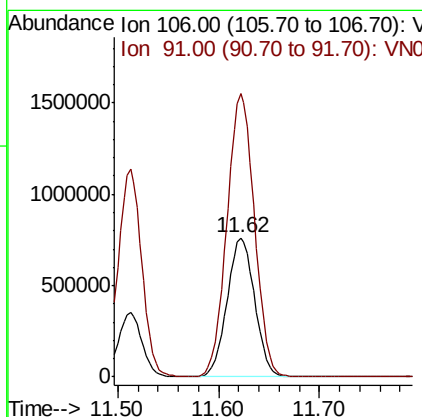
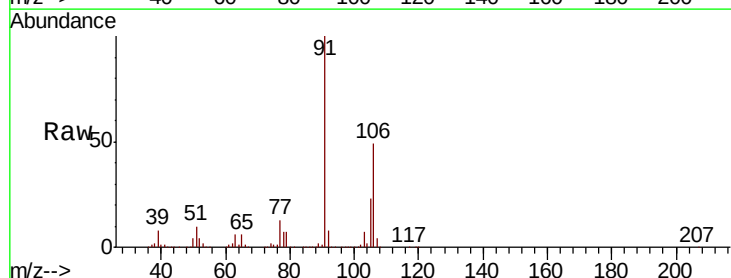
Instrument :
MSVOA_N
ClientSampleId :

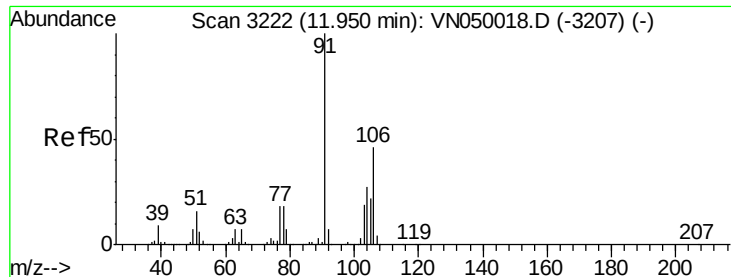
Tot Ion: 91 Resp: 1872671
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 109.43 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:106 Resp: 1454312
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2

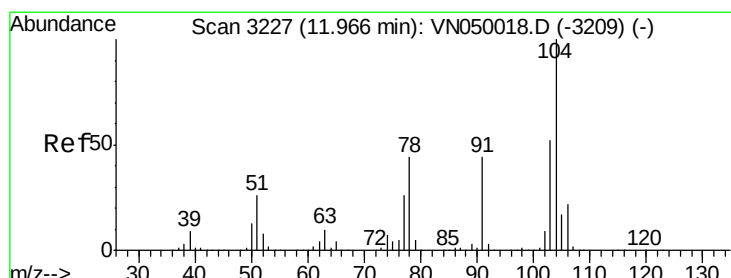
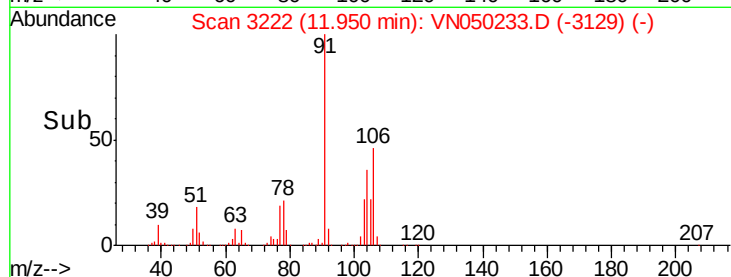
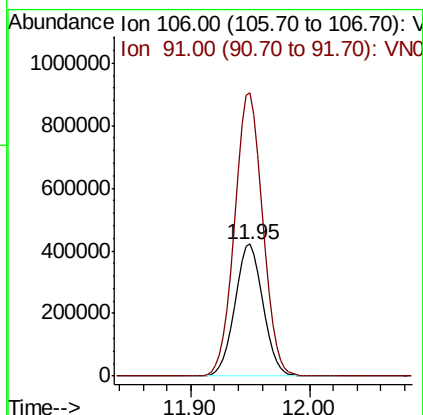
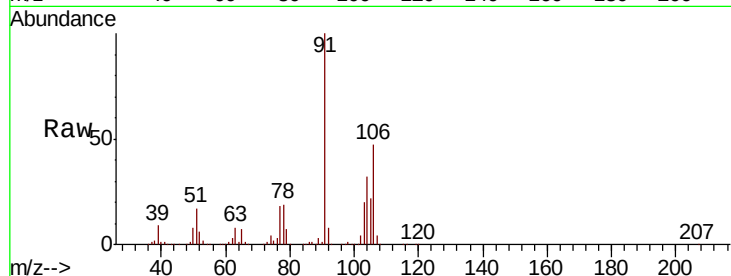




#69
o-Xylene
Concen: 54.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

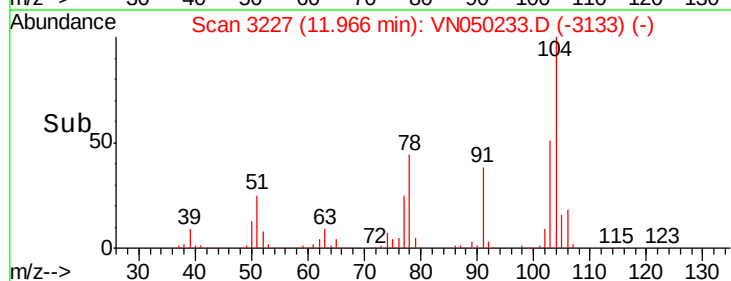
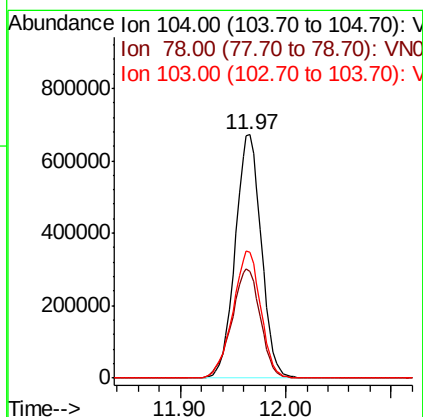
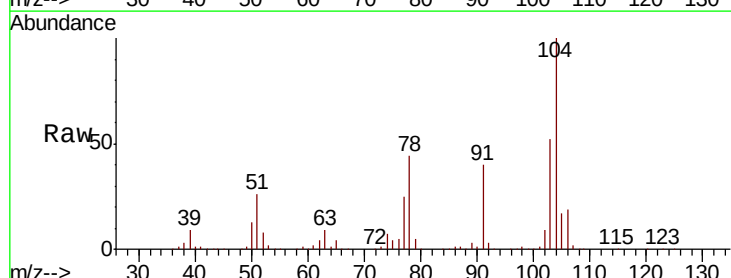
Instrument :
MSVOA_N
ClientSampled :

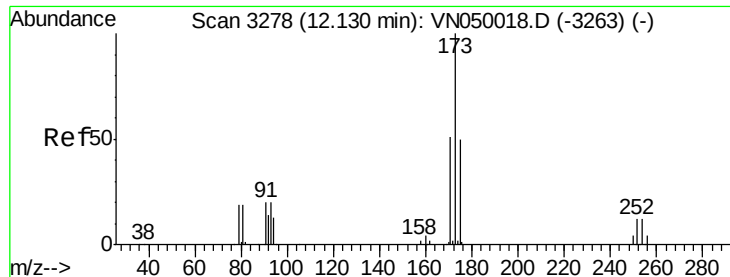
Tot Ion:106 Resp: 691177
Ion Ratio Lower Upper
106 100
91 214.8 107.7 323.1



#70
Styrene
Concen: 50.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:104 Resp: 1147162
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 55.9 45.0 67.6





#71

Bromoform

Concen: 49.69 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

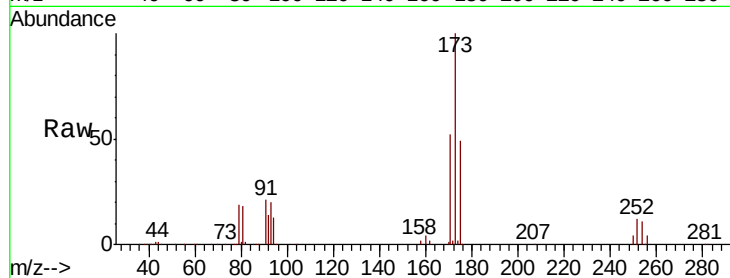
Tot Ion:173 Resp: 303788

Ion Ratio Lower Upper

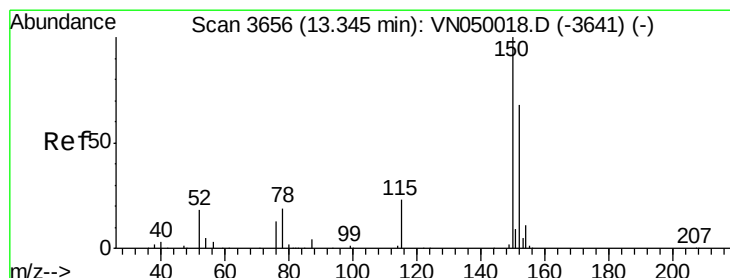
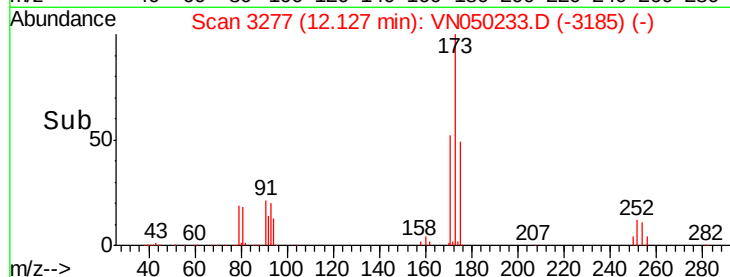
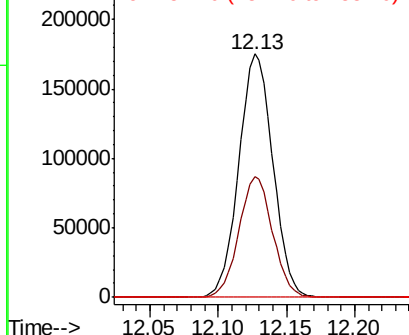
173 100

175 48.9 24.1 72.2

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

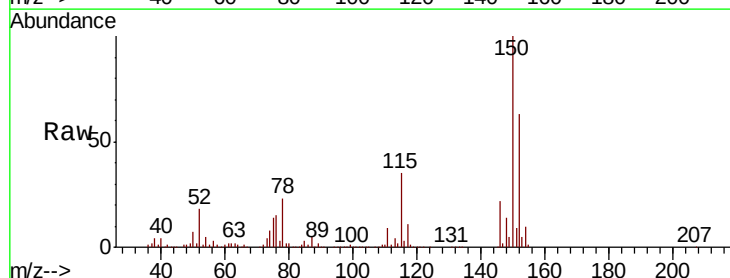
Tgt Ion:152 Resp: 477037

Ion Ratio Lower Upper

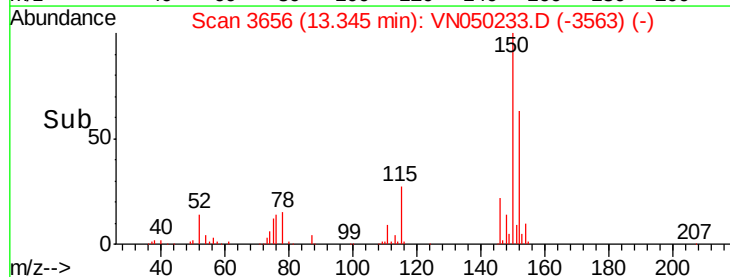
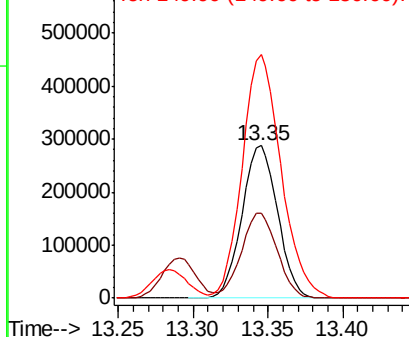
152 100

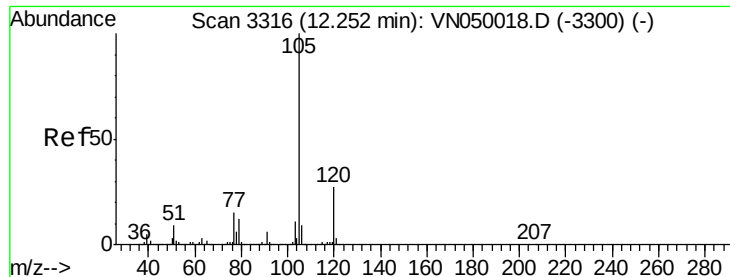
115 56.0 27.8 83.3

150 174.2 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

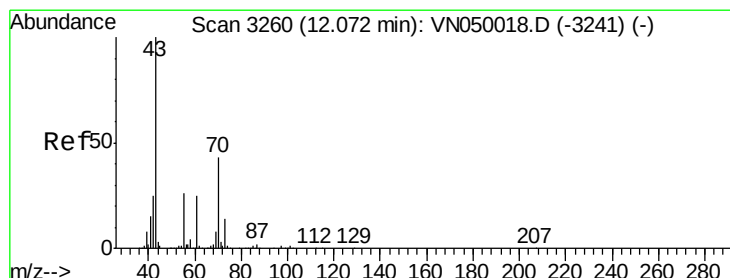
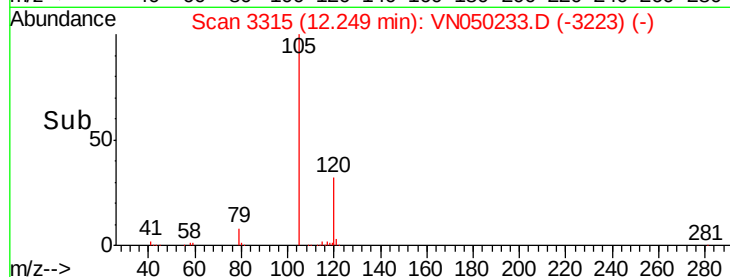
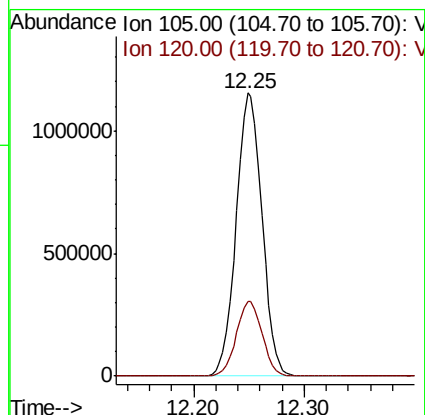
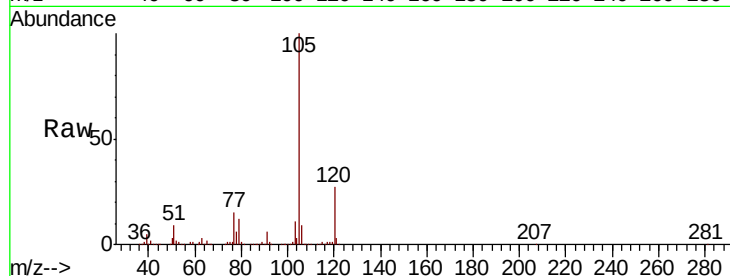
ClientSampled :

Tot Ion:105 Resp: 1868115

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 47.23 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 534002

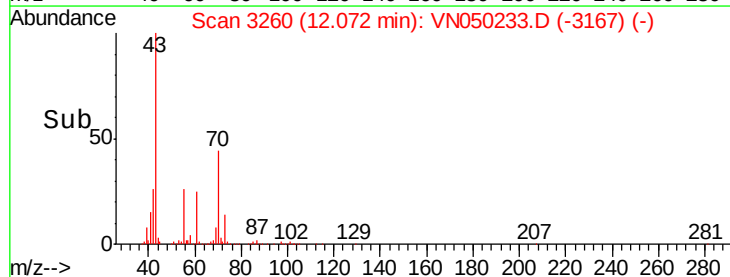
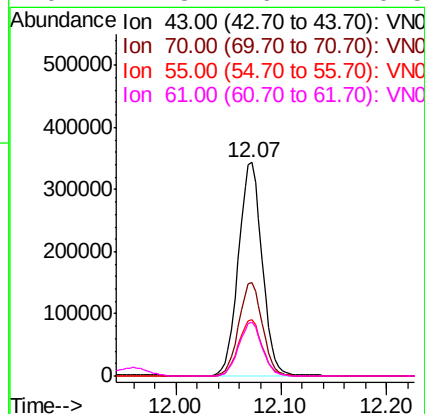
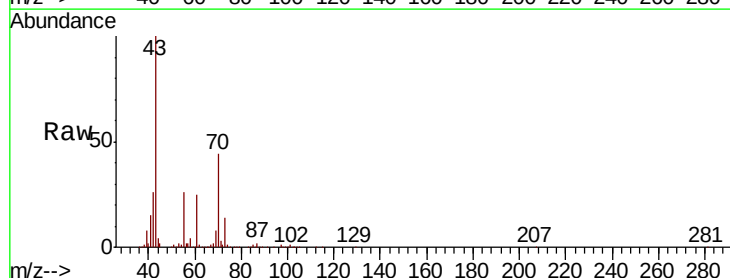
Ion Ratio Lower Upper

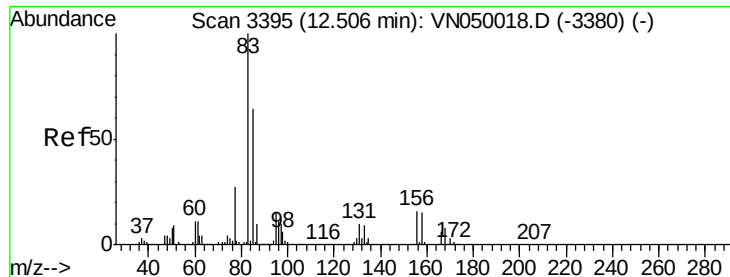
43 100

70 43.6 34.4 51.6

55 26.6 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

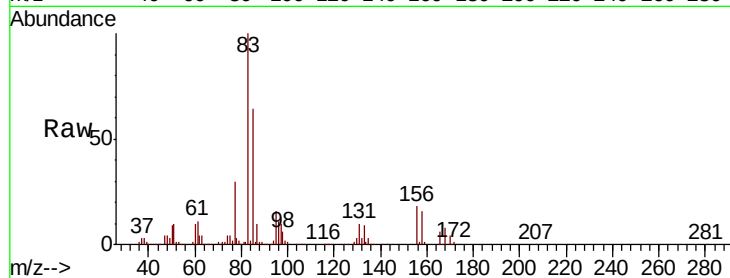
Tot Ion: 83 Resp: 490361

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

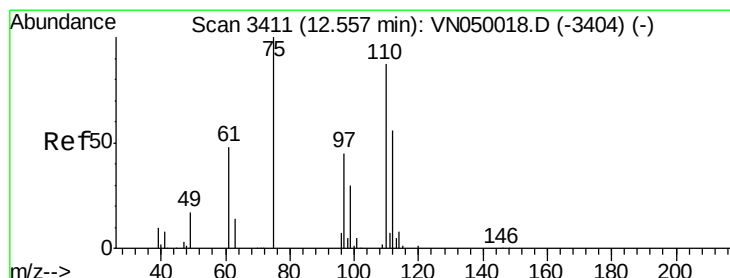
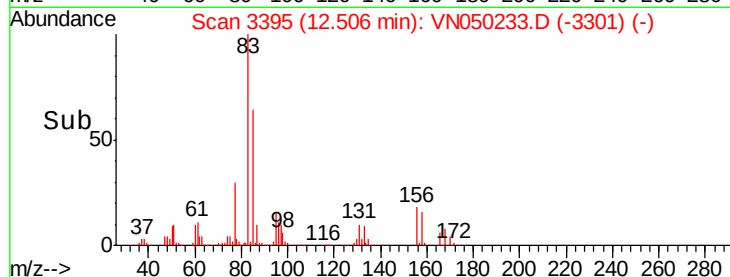
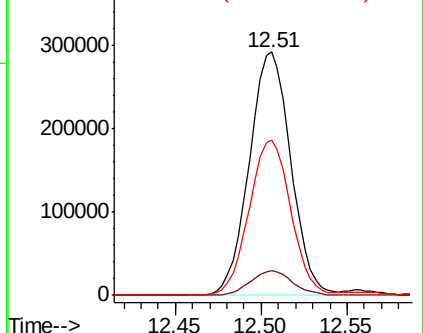
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050018.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 67.67 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050233.D

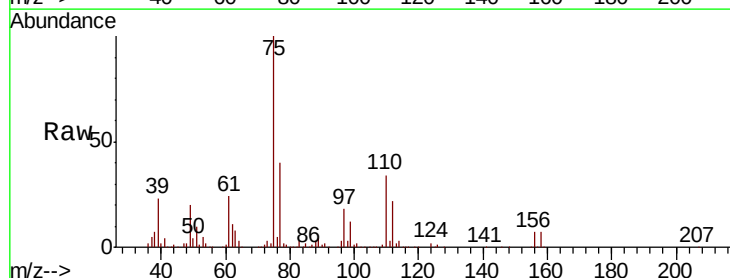
Acq: 1 Aug 2018 8:09

Tgt Ion: 75 Resp: 599962

Ion Ratio Lower Upper

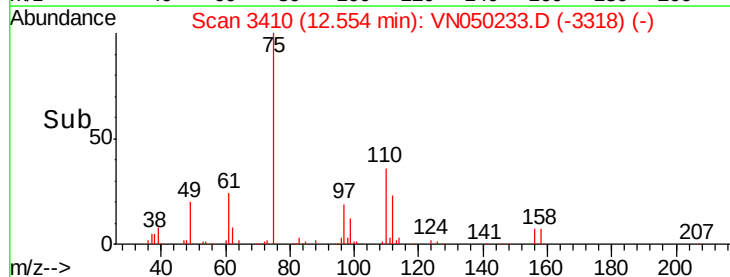
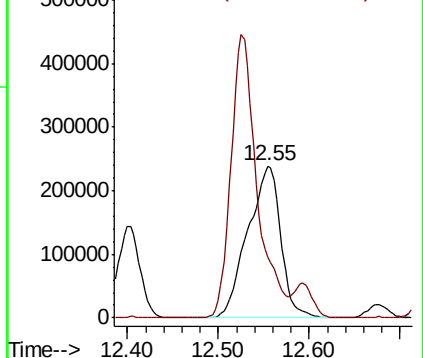
75 100

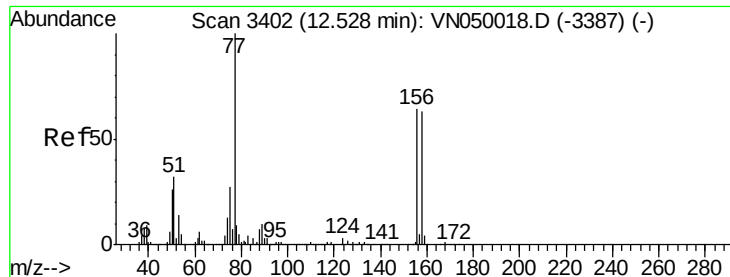
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)





#77

Bromobenzene

Concen: 47.35 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

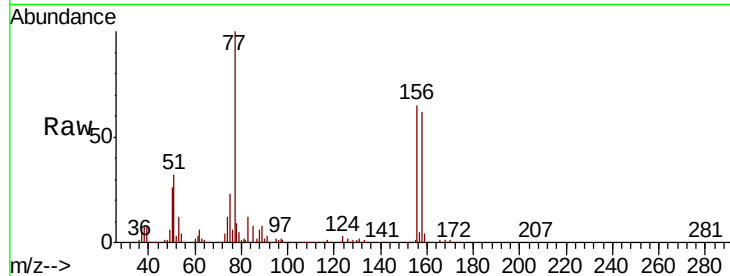
Tot Ion:156 Resp: 485527

Ion Ratio Lower Upper

156 100

77 183.0 91.7 275.1

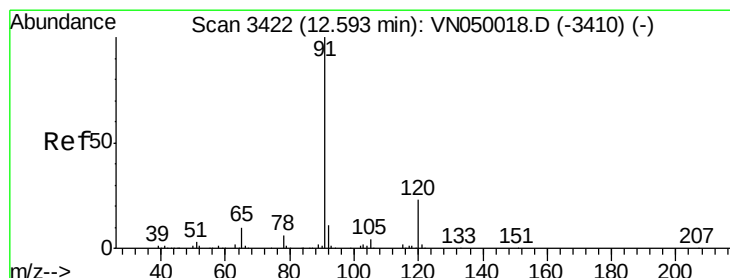
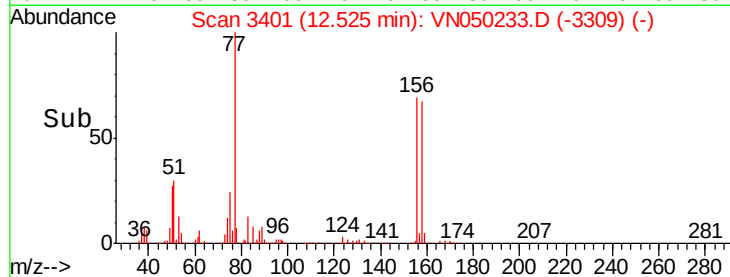
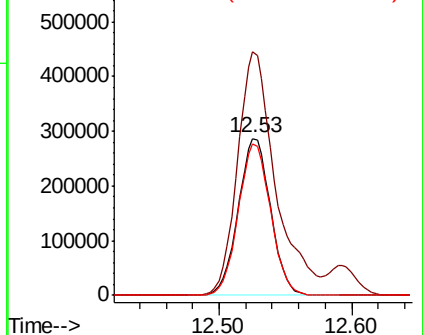
158 96.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.18 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050233.D

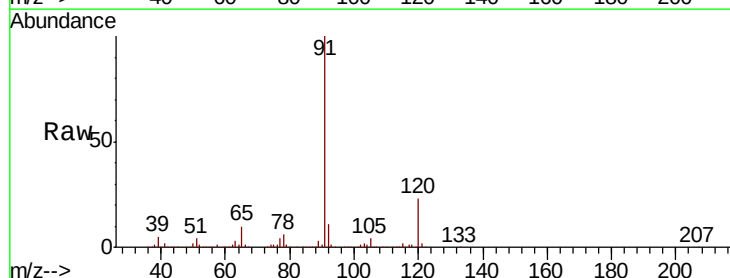
Acq: 1 Aug 2018 8:09

Tgt Ion: 91 Resp: 2199025

Ion Ratio Lower Upper

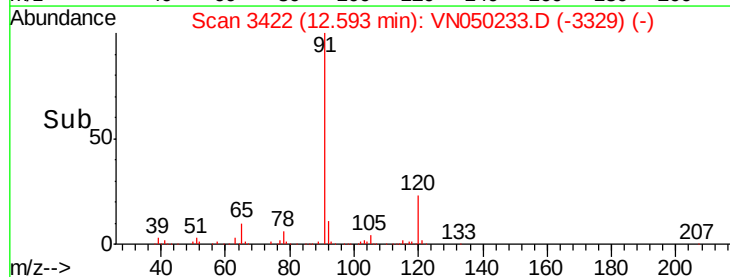
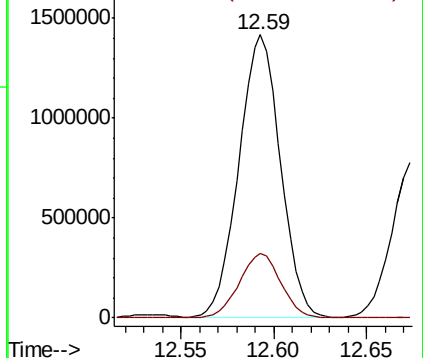
91 100

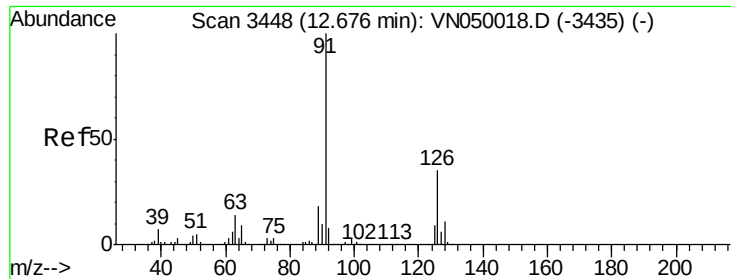
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.43 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

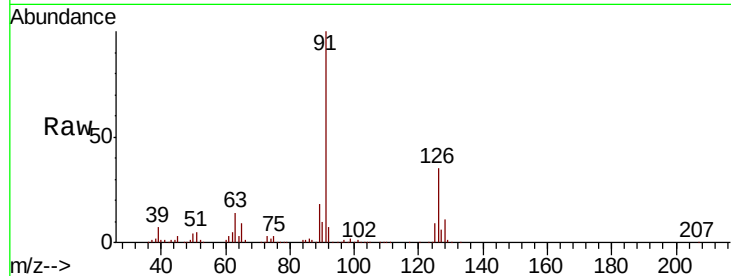
ClientSampled :

Tot Ion: 91 Resp: 1292456

Ion Ratio Lower Upper

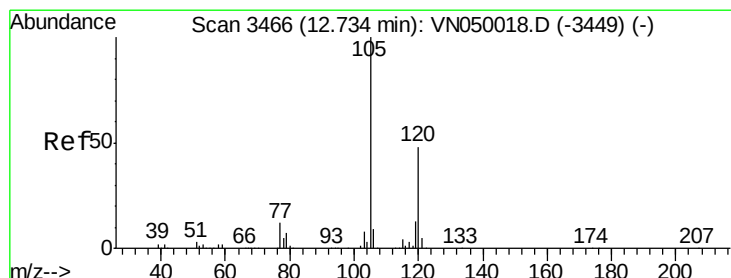
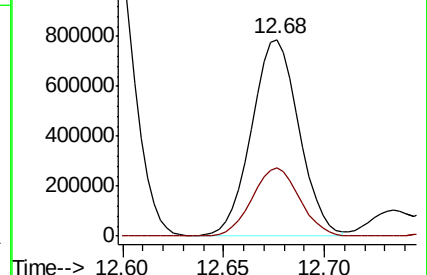
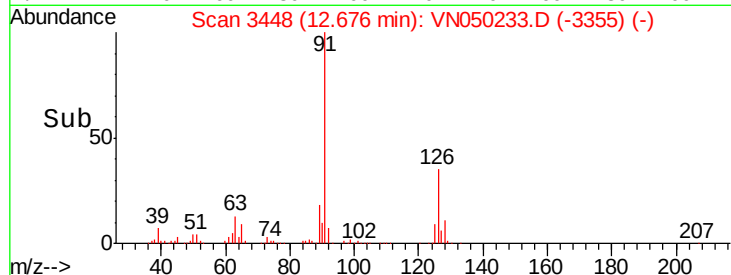
91 100

126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.48 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050233.D

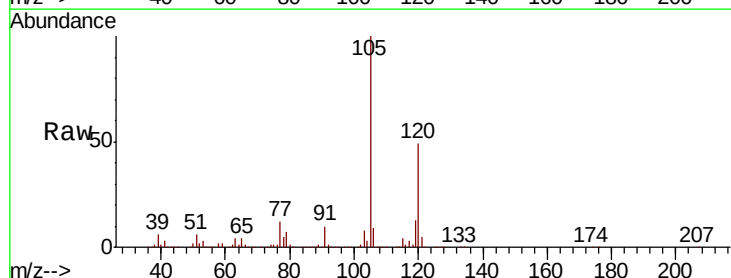
Acq: 1 Aug 2018 8:09

Tgt Ion:105 Resp: 1556405

Ion Ratio Lower Upper

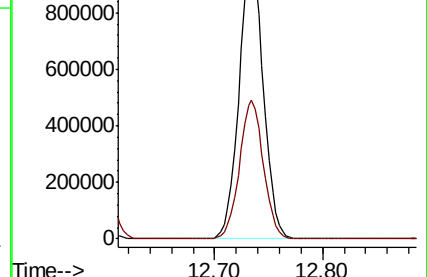
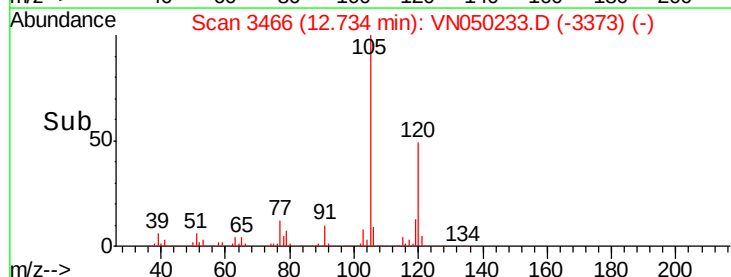
105 100

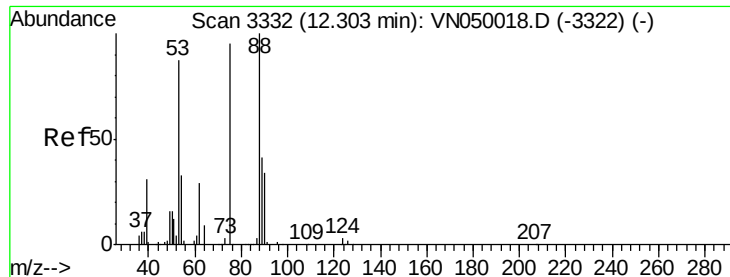
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

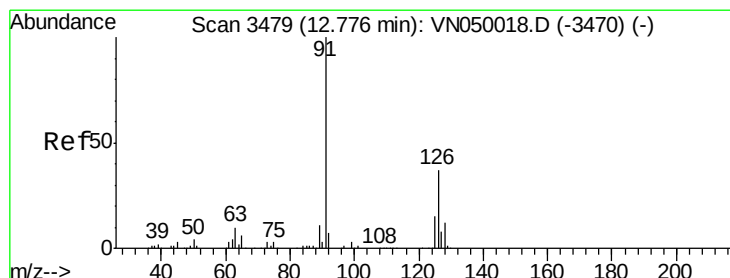
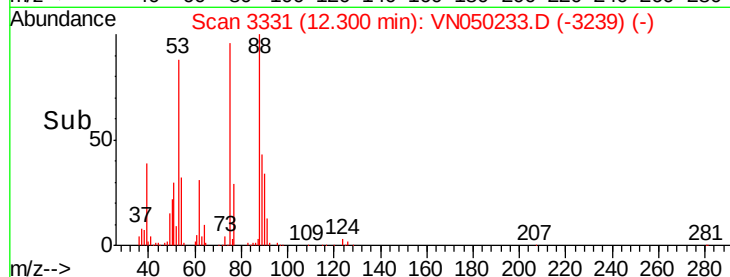
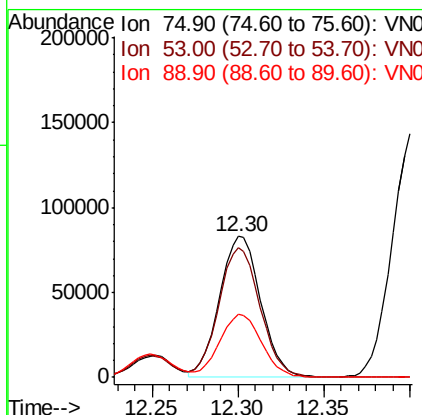
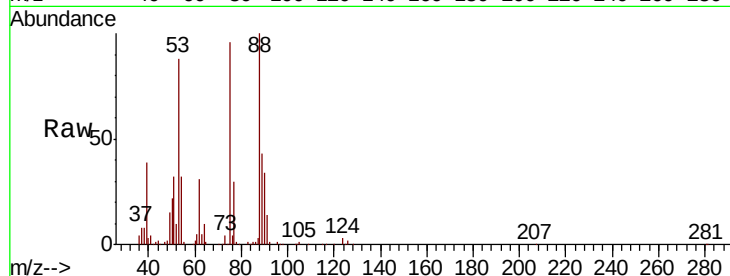




#81
trans-1,4-Dichloro-2-butene
Concen: 49.05 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

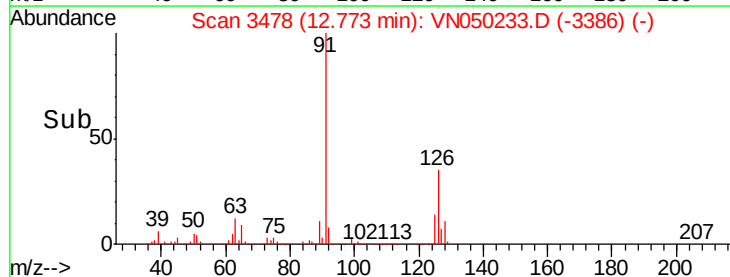
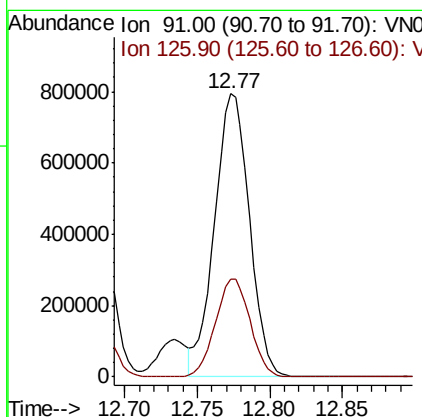
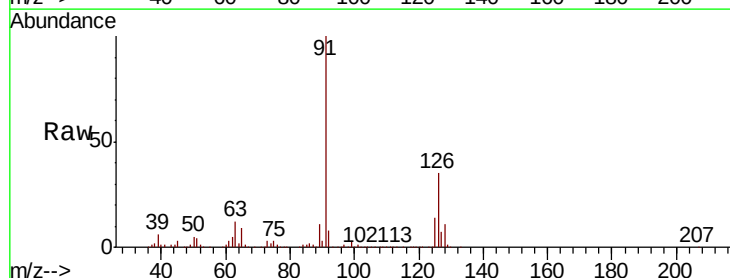
Instrument :
MSVOA_N
ClientSampleId :

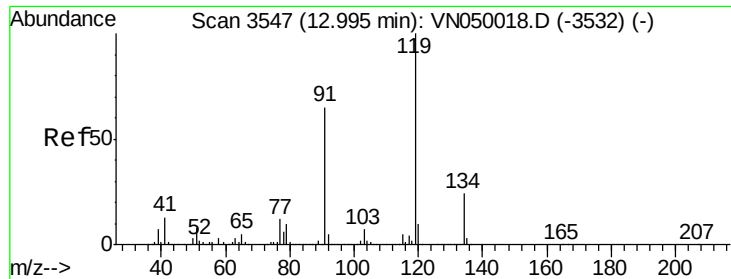
Tot Ion: 75 Resp: 137092
Ion Ratio Lower Upper
75 100
53 93.4 73.5 110.3
89 46.3 36.0 54.0



#82
4-Chlorotoluene
Concen: 52.08 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 91 Resp: 1321966
Ion Ratio Lower Upper
91 100
126 34.6 17.0 51.0

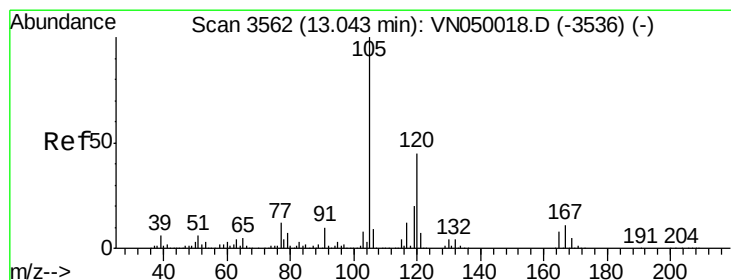
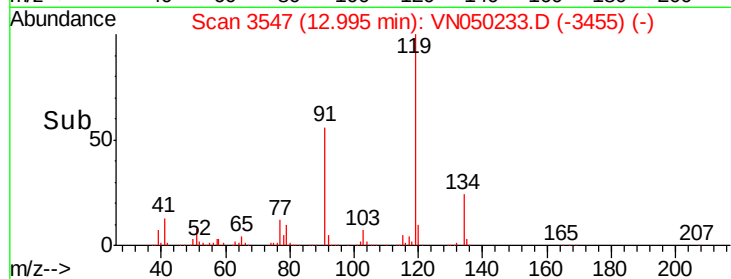
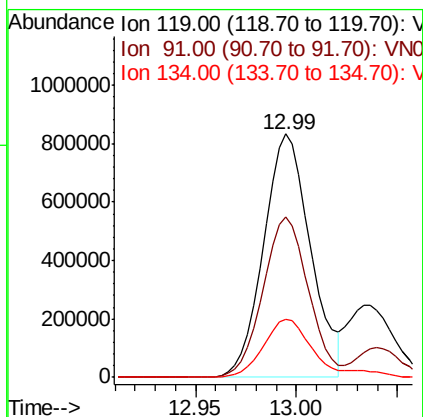
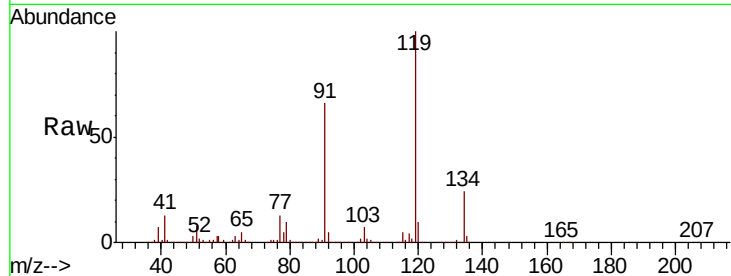




#83
 tert-Butylbenzene
 Concen: 53.13 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

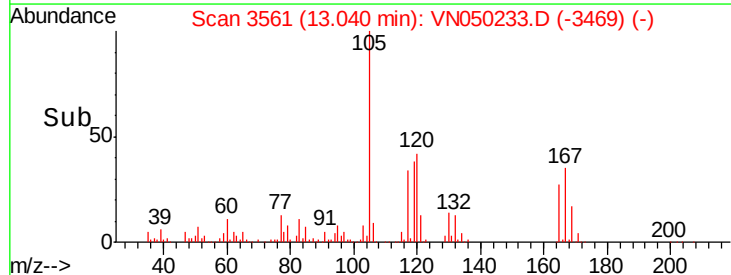
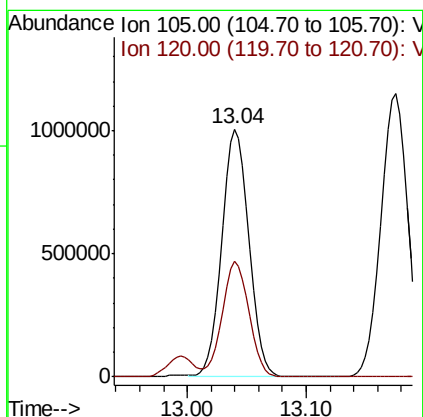
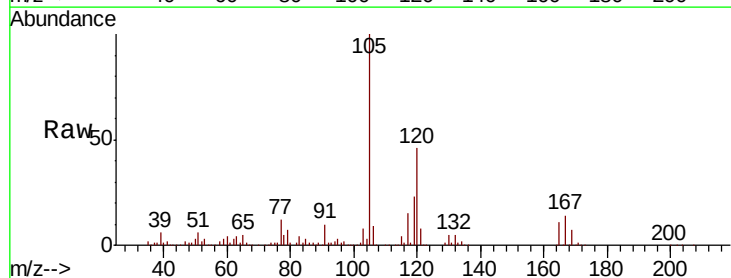
Instrument :
 MSVOA_N
 ClientSampled :

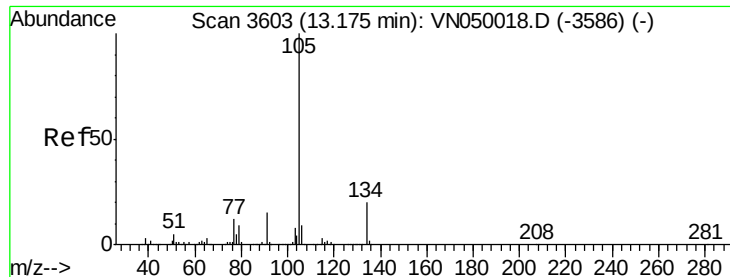
Tot Ion:119 Resp: 1349334
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 23.9 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 54.03 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion:105 Resp: 1584719
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 53.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

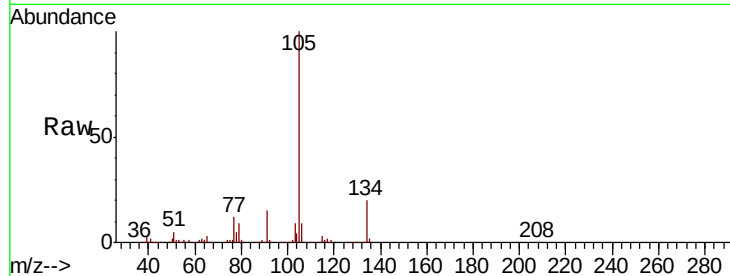
ClientSampleId :

Tot Ion:105 Resp: 1823989

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

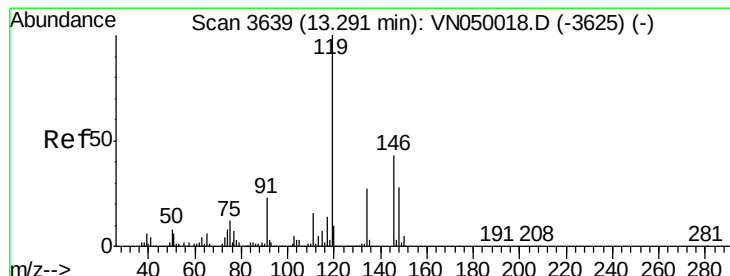
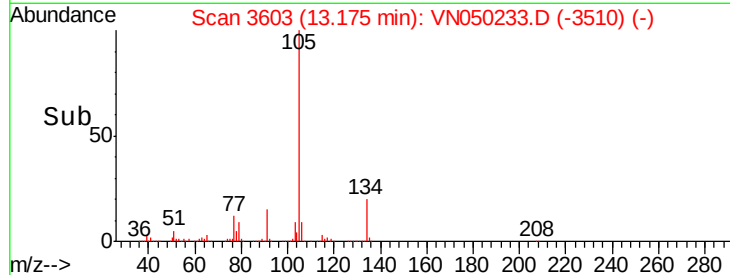
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.91 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

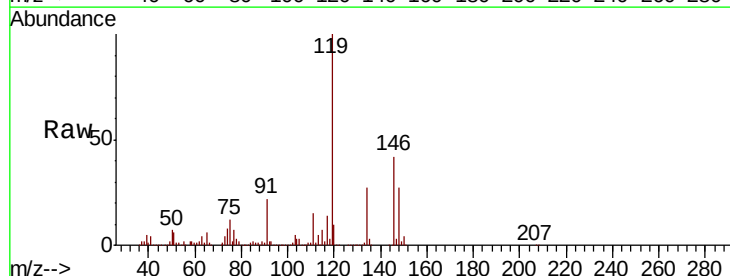
Tgt Ion:119 Resp: 1598744

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

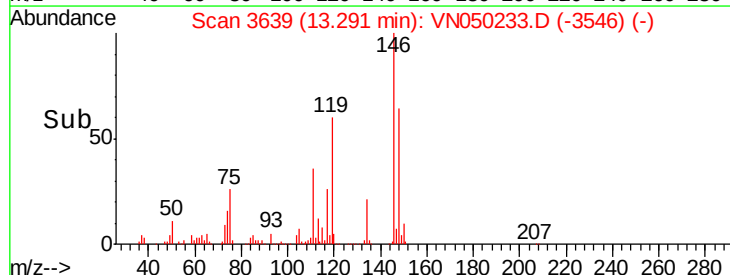
13.29

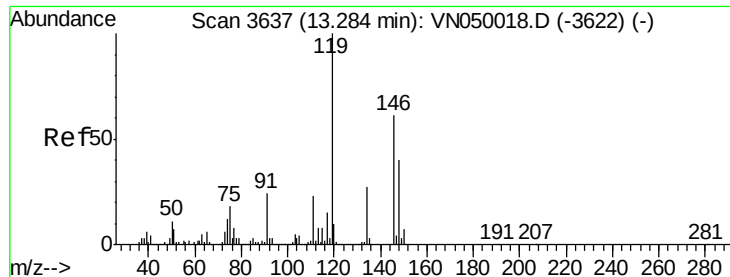
1000000

500000

0

Time-->

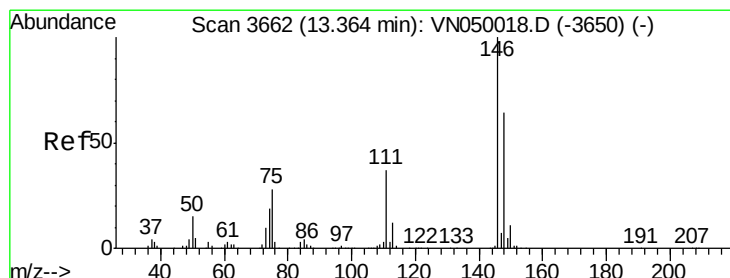
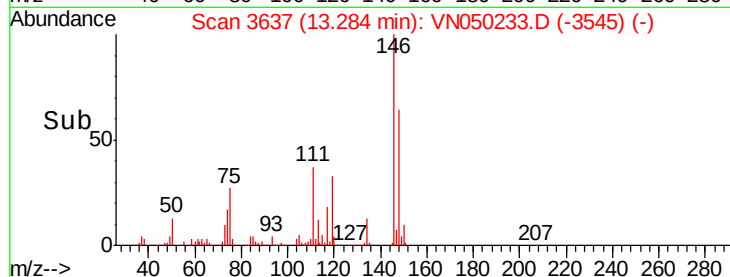
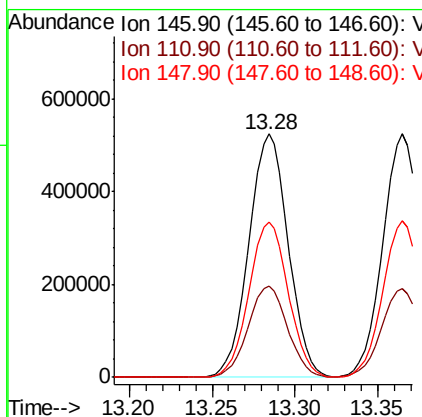
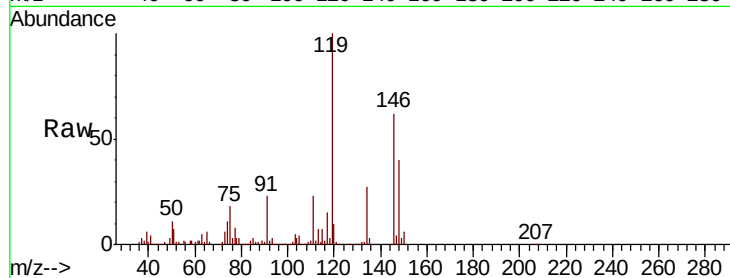




#87
 1,3-Dichlorobenzene
 Concen: 49.64 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

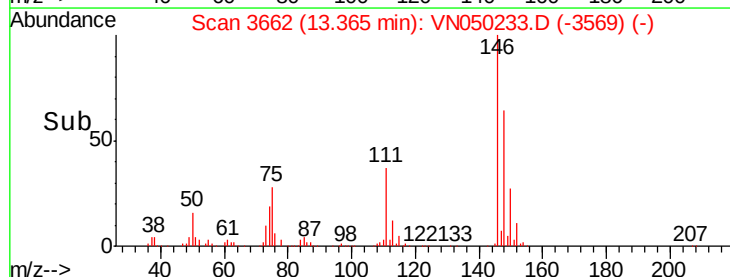
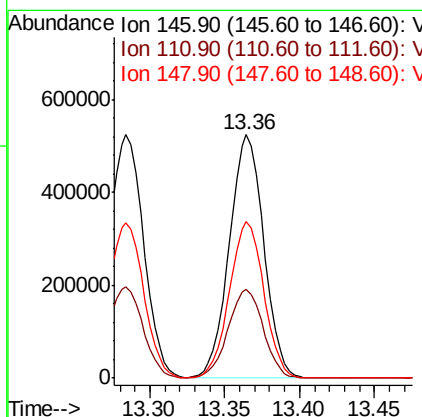
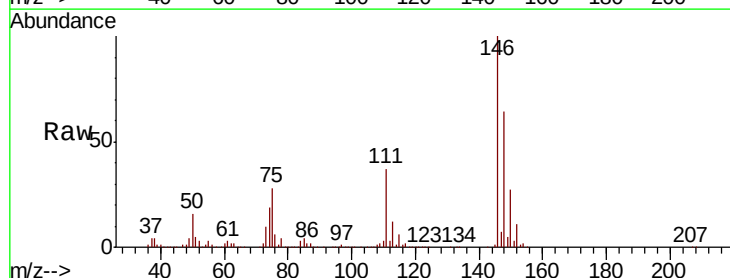
Instrument :
 MSVOA_N
 ClientSampleId :

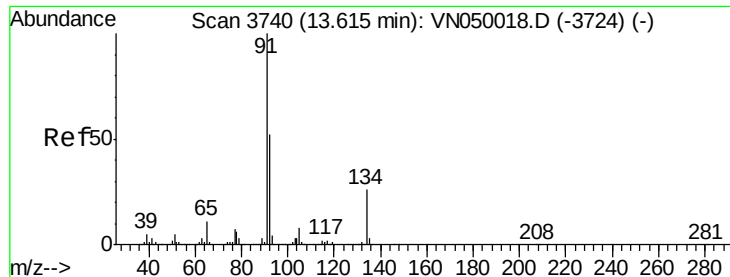
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.9	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.60 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 55.85 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

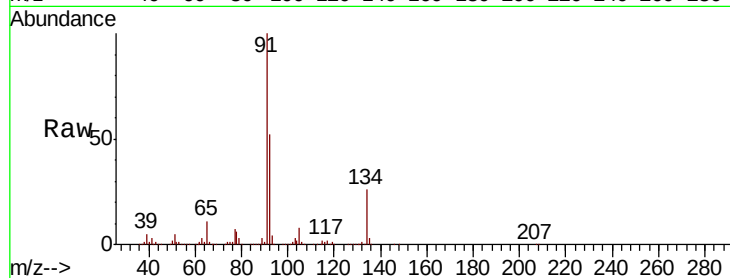
Tot Ion: 91 Resp: 1313147

Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.4
134	26.2	12.8	38.4

91 100

92 51.8 25.8 77.4

134 26.2 12.8 38.4

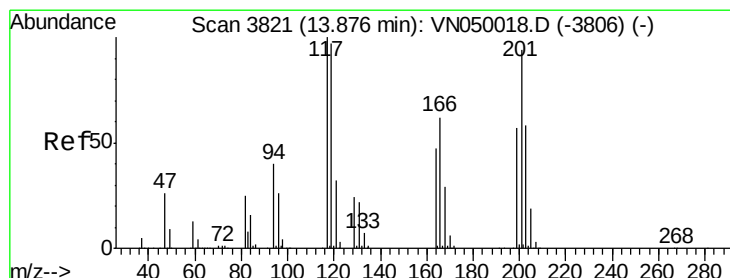
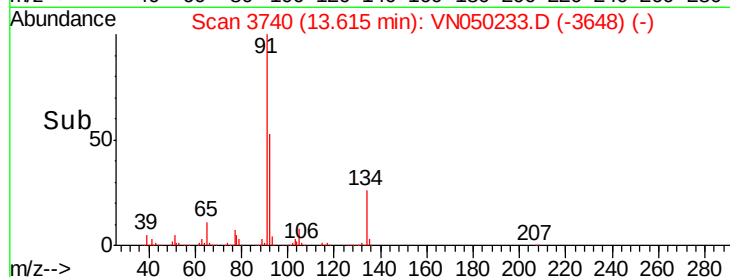
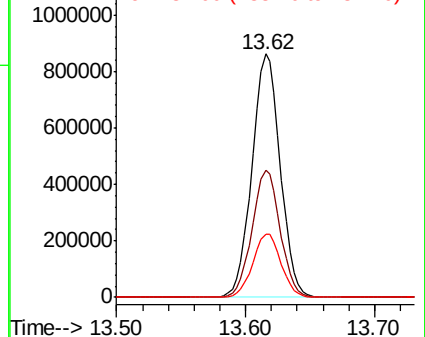


Abundance

Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90

Hexachloroethane

Concen: 46.91 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050233.D

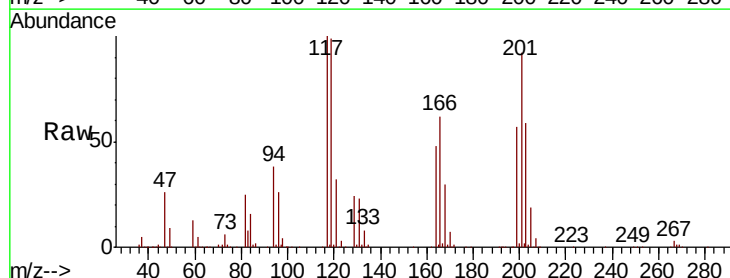
Acq: 1 Aug 2018 8:09

Tgt Ion: 117 Resp: 297803

Ion	Ratio	Lower	Upper
117	100		
201	90.4	45.6	136.8

117 100

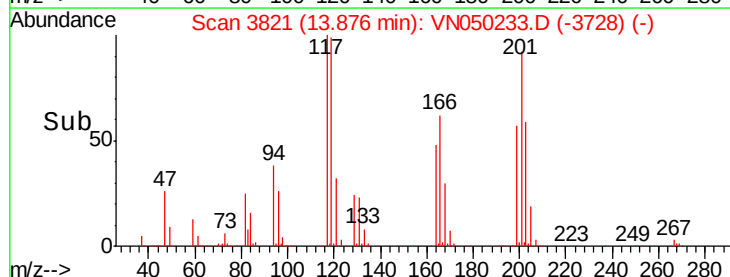
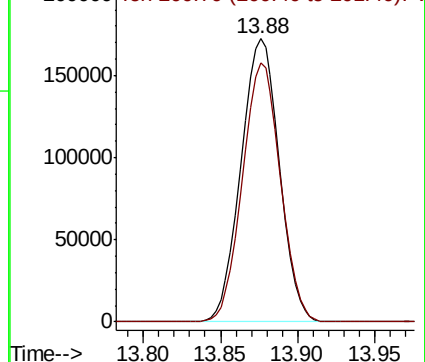
201 90.4 45.6 136.8

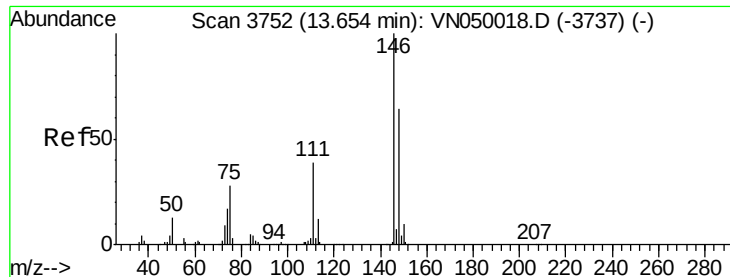


Abundance

Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 48.31 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

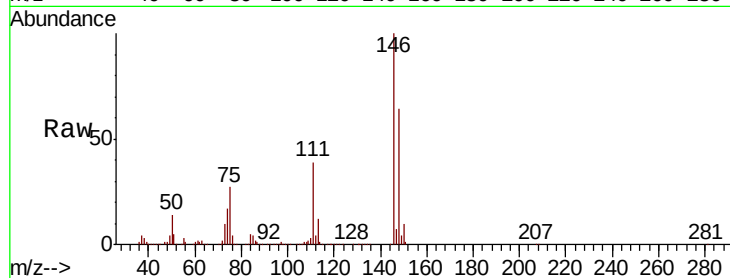
Tot Ion:146 Resp: 839527

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

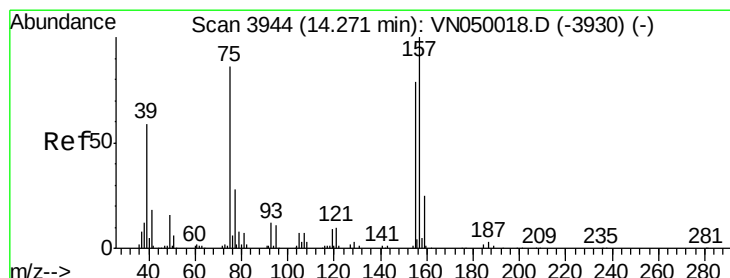
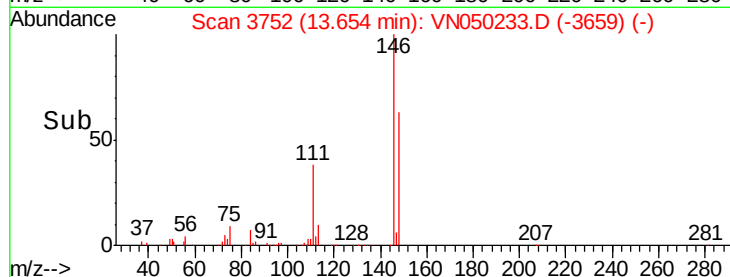
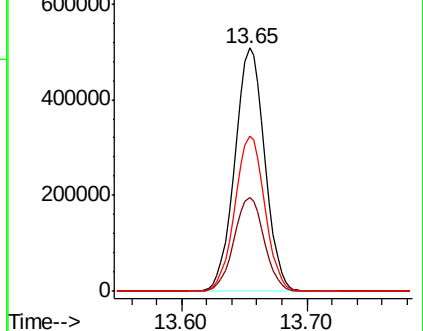
148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.96 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

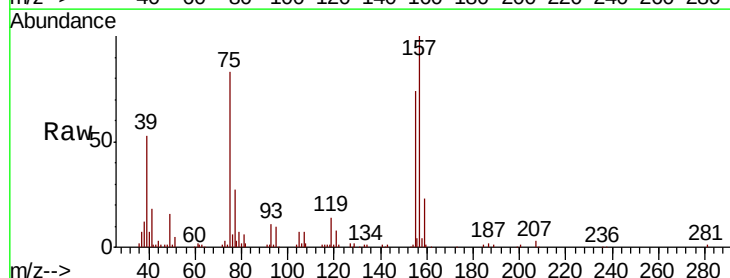
Tgt Ion: 75 Resp: 74246

Ion Ratio Lower Upper

75 100

155 90.4 44.8 134.4

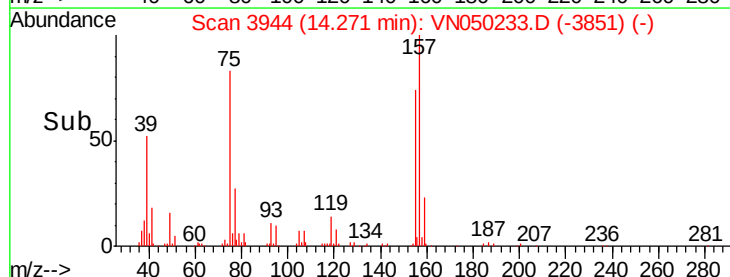
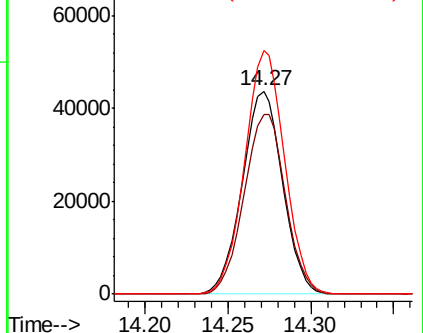
157 118.7 57.2 171.6

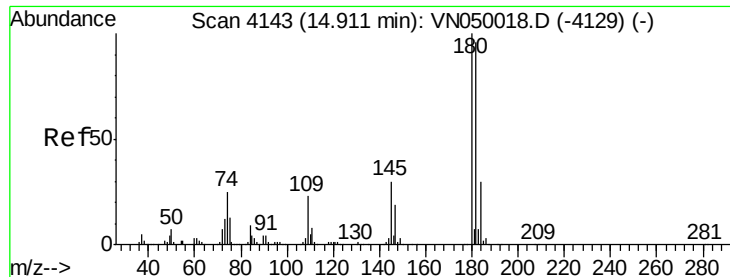


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

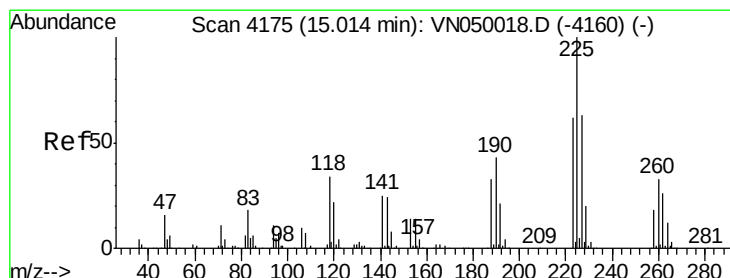
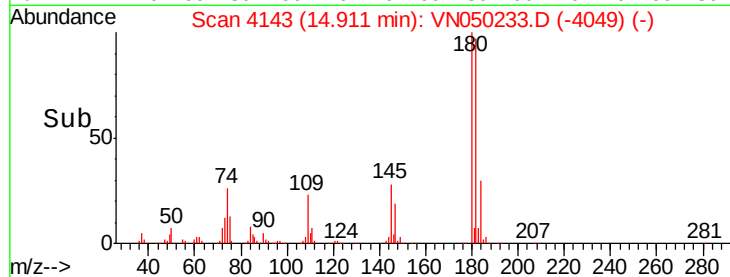
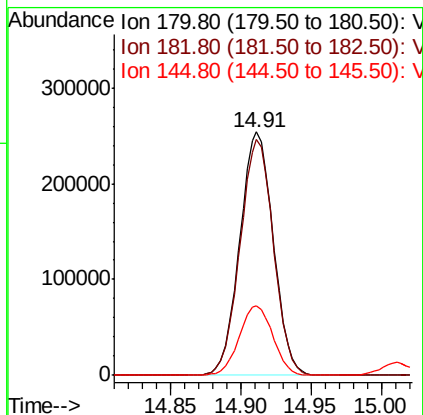
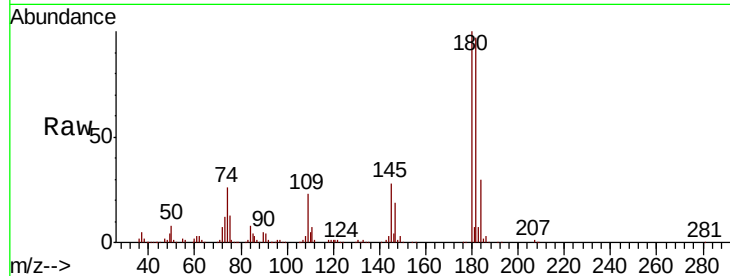




#93
 1,2,4-Trichlorobenzene
 Concen: 46.14 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

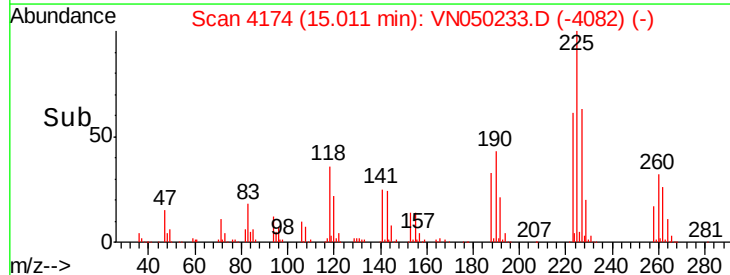
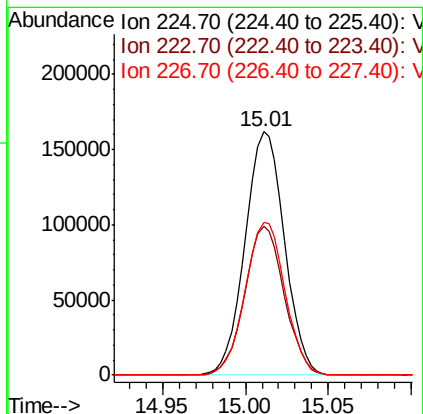
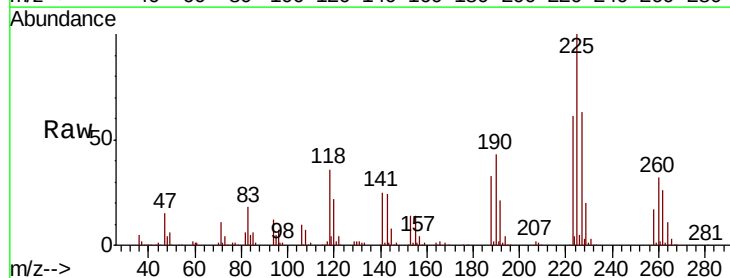
Instrument :
 MSVOA_N
 ClientSampleId :

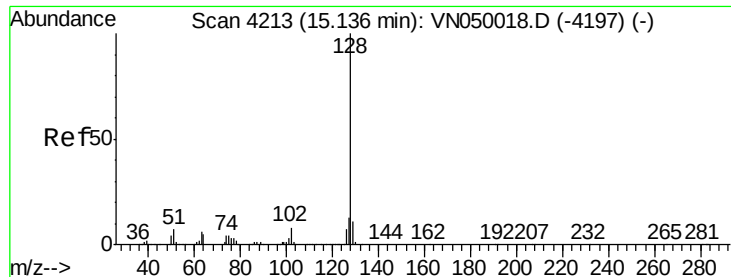
Tot Ion:180 Resp: 422891
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.7 140.1
 145 28.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 50.28 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion:225 Resp: 267450
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.4 94.2
 227 63.5 32.1 96.5





#95

Naphthalene

Concen: 41.76 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050233.D

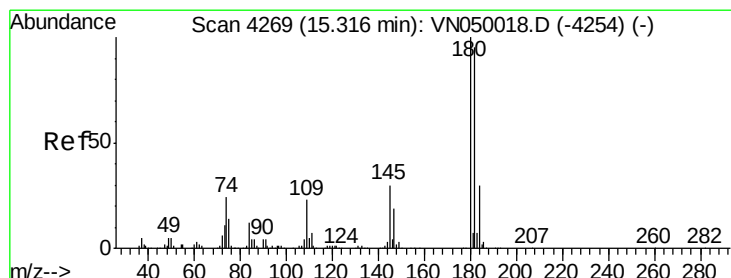
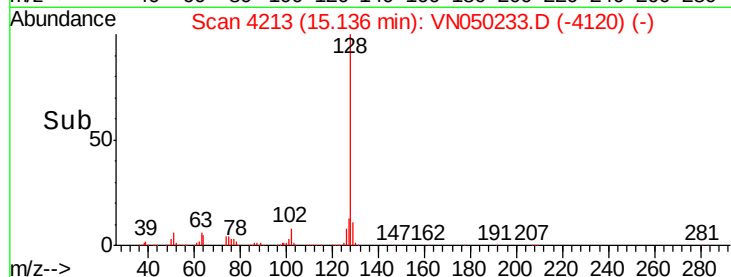
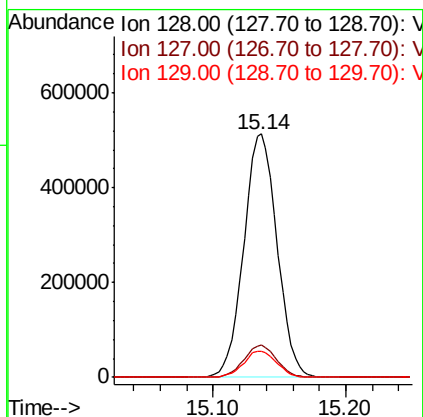
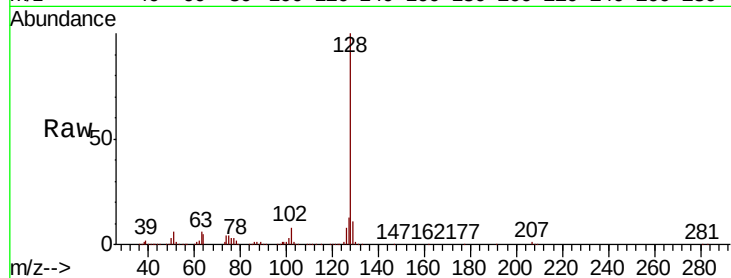
Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	892507
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.8	13.2



#96

1,2,3-Trichlorobenzene

Concen: 47.08 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion:	180	Resp:	421379
Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.4
145	30.1	15.3	45.9

